

# Domestic Preparedness

preparedness

expert assistance

training

COMPENDIUM OF WEAPONS OF  
MASS DESTRUCTION COURSES  
Sponsored by the Federal Government  
JANUARY 2000

response teams



## **PREFACE**

This compendium of courses was compiled to inform state and local agencies of federal training that is available in the area of weapons of mass destruction. These courses are all available to state and local responders. This compendium will be updated, as new courses become available.

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**COMPENDIUM**  
**of**  
**WEAPONS OF MASS DESTRUCTION COURSES**  
**Sponsored by the Federal Government**

**2. Background.** Terrorist incidents involving weapons of mass destruction (WMD) pose a growing threat to the security of the United States. Effective response will depend on local and State response organizations' attainment of WMD-related expertise and proficiency. Emergency responders and managers must be able to recognize the unique characteristics of WMD in order to protect themselves and the public, mitigate the dangers, and facilitate the integration of federal, state and local support actions that are necessary to resolve the incident. The Federal Government makes training available to help ensure that local and State responders have the knowledge and skills necessary for WMD incidents.

**A. Legislation.** The most recent and comprehensive effort in this regard was mandated by Title XIV of Public Law 104-201, the National Defense Authorization Act for Fiscal Year 1997. This legislation, also known as Nunn-Lugar-Domenici, directed the Federal Government to improve the capabilities of state and local agencies to respond to incidents involving WMD. The Department of Defense (DOD) was directed to lead the Federal Government effort.

The U.S. Army Soldier and Biological Chemical Command (SBCCOM) was designated as the Program Director for Domestic Preparedness to coordinate, integrate, and execute a program to enhance domestic preparedness to nuclear, biological, and chemical (NBC) terrorism. The purpose of this program is to provide for training of state and local emergency responders in the event of a terrorist incident involving nuclear, biological or chemical (NBC) weapons of mass destruction. The training program is intended to "train the trainers" and be in the form of modules which can be tailored to meet the specific training needs of individual cities and readily integrated into the existing emergency responder training programs at the state and local level.

**B. Development of a Training Package.** SBCCOM, in coordination with other federal agencies and DOD organizations, developed a training program to address the training shortfalls. Four focus group seminars of emergency responders were held in February 1997 to identify the training performance objectives required by emergency responders to obtain proficiency in WMD issues. These focus groups identified 26 performance objectives which were then matrixed against five levels of competency:

### **Competency Levels**

- Employee Awareness
- Responder Awareness
- Operations
- Technician/Specialist
- Incident Command

The Domestic Preparedness program is providing the train the trainer courses to only the first 120 cities by population. This program cannot address the training needs of the entire nation, although it does greatly enhance the nation's current state of preparedness. The federal agencies recognize this and have prepared this compendium of other federal courses which relate to the performance objectives developed for the Domestic Preparedness Train-the-Trainer courses.

The courses prepared under the Nunn-Lugar-Domenici legislation are described on page 5. Although only the largest, by population, 120 cities are targeted to receive these Train-the Trainer courses it is the program's intent that the Trainers from the adjacent communities, state and regional agencies will be included in the each cities training. These trainers will provide a local capability to continue teaching the performance objectives as envisioned by the Nunn-Lugar-Domenici legislation.

Agencies providing courses are listed alphabetically and the individual courses are listed alphabetically within the agency. The database fields are titled to reflect field contents, making each entry self-explanatory. By way of clarification, it should be noted that NBC performance objectives addressed by a given course are listed by the corresponding number of the performance objective in the Performance Objectives Matrix (Figure 1). Blank database fields exist where sponsoring organizations did not provide the required information.

Over ninety courses were identified during the collection of this compendium. Course materials were obtained for review from eleven federal agencies.

Of the over ninety courses ninety-two were federally sponsored courses of instruction were identified as addressing one or more of the NBC emergency responder performance objectives. An additional six courses were identified by FEMA's Emergency Management Institute as being relevant to the program objective, although not directly addressing the identified NBC performance objectives. Courses available through the U.S. Army Chemical School focused more on chemical and biological areas, whereas those offered by the Department of Energy focused almost entirely on radiological aspects of the NBC arena.



### **C. Description of Domestic Preparedness Courses.**

***Awareness Training*** - is an introductory 30-minute video presentation to acquaint diverse employees at potential terrorist target facilities and 911 operators. The video will be presented in layman terms in both English and Spanish. There is no instructor requirement; however, a facilitator (provided by the facility employer) is recommended to introduce the video. The video will cover the general aspects of nuclear, biological and chemical terrorism; information on recognizing a nuclear; biological or chemical terrorist incident(s) through signs and symptoms; possible dissemination devices and self-protection measures. Instructional materials include a facilitator's guide, a pamphlet for the participants and a 911 checklist for future reference.

***Responder Awareness Training*** - is designed for initial emergency responders of a possible terrorist incident. These responders include firefighters, police officers and emergency medical responders. The goal of this four-hour course is for emergency responders to recognize signs and symptoms of a nuclear, chemical and/or biological incident, to protect themselves and make proper notification. This course includes:

- Introduction to the NBC Terrorism Threat
- Radiological, biological and chemical materials and weapons
- Dissemination Devices
- Responder Actions

Prior to enrollment in the Responder Awareness course, participants should have a basic understanding of principles and procedures for responding to a hazardous material incident. Upon completion of this course, participants will be able to teach other responders the signs and symptoms of chemical and biological agents and nuclear materials; potential devices used for dissemination; and defensive actions to safeguard themselves and their community.

***Responder Operations Training*** - is designed specifically for incident response teams in a defensive mode. The Responder Awareness course is a prerequisite. This four-hour course covers:

- Responder Actions at the Operations Level
- Chemical Downwind Hazard Analysis
- Personal Protection
- Introduction to Detection & Identification
- Emergency Decontamination Procedures
- Practical Exercise

After completing this course, participants will be able to instruct the technical aspects of nuclear, biological and chemical incidents, and the defensive actions required for responders to protect themselves and their community.

***Technician HAZMAT Training*** - is a 12-hour stand alone course specifically designed for current HAZMAT trainers. HAZMAT trainers will learn the difference between responding to nuclear, biological and chemical terrorist incidents compared to a standard HAZMAT event. This course covers:

- Responder actions at the HAZMAT Technician Level
- NBC Agents at the HAZMAT Technician Level
- Protective Equipment
- Decontamination Procedures
- Chemical Classification, Detection and Identification
- Practical Exercise

***Incident Command Training*** - provides incident commanders with the necessary information and considerations necessary to effectively command a nuclear, biological or chemical incident. The course consists of four hours of lecture and two hours of a tabletop exercise. Specific topics include coordination of resources; protective measures and associated risks; evacuation versus shelter-in-place considerations; perimeter security measures, management of mass casualties, and applications of the Federal Response Plan. This course covers the following modules:

- Challenges and Consequences of Management in an NBC Incident
- Tactical Considerations and Actions for nuclear, biological and chemical incidents
- Understanding the Roles of the Federal Government in an NBC Terrorist Incident
- NBC Terrorism Response and Planning Exercise

***Senior Officials' Workshop*** - is designed to instruct and inform the senior leadership on how to:

- Employ an integrated planning, training and exercising effort among local agencies, multi-jurisdictions and mutual aid partners for response to a nuclear, biological or chemical terrorist incident
- Recognize probable nuclear, biological and chemical situations and the implications for the community
- Interact with state and federal agencies so operational assets can be assembled, assigned and employed with maximum effectiveness
- Interact with the media to calm public fears and maintain public confidence in local government

***Technician Emergency Medical Services Training*** - course provides the EMS technician with the unique aspects of responding to a terrorist event involving nuclear, biological or chemical materials. This course includes recognizing nuclear, biological and chemical exposure; trends indicating possible events; safe and legal antidote requirements; unique triage of potential mass casualties and emergency medical field treatment demands. Unique considerations for treating children and elderly victims of an NBC terrorist incident are also addressed. The course will consist of lectures, demonstrations and field exercises to include personal protection measures, detection, decontamination and triage.

***Technician Hospital Provider Training*** - is designed for emergency department physicians and nurses. This course will include the same subjects as the EMS course, however, at a more advanced level. Not only will it describe how to properly manage, decontaminate, diagnose and treat victims of a nuclear, biological or chemical incident but how to protect against cross-contamination using personal protective measures. The course will include nuclear, biological and chemical unique public health guidelines. This course consists of classroom lecture with demonstrations and case studies.

### 3. Federally-Sponsored NBC Courses (List).

#### TITLE OF COURSE AGENCY/SPONSOR

Advanced Life Support Response to Hazardous Materials Incidents.....	B-77
FEMA/National Fire Academy	
Advanced Radiation Incident Operations (ARIO).....	B-64
FEMA/Emergency Management Institute	
Agent Characteristics and Toxicology First Aid and Special Treatment (ACTFAST) And use of Auto-injectors .....	B-47
FEMA/CSEPP	
Air Monitoring for Hazardous Materials (165.4) .....	B-92
EPA	
ALARA for Design and Operations Engineers - Instructor Manual.....	B-26
DOE	
An Introduction to Protective Action Decision Making .....	B-48
FEMA/CSEPP	
Applied Health Physics.....	B-27
DOE	
Basic Course (for Bomb Technicians).....	B-105
DOJ/FBI/Bomb Data Center/Hazardous Devices School	
Basic Life Support and Hazardous Materials Response.....	B-78
FEMA/National Fire Academy	
Biological Warfare and Terrorism: The Medical and Public Health Response .....	B-1
USAMRIID/CDC	
Chemical Accident/Incident Response & Assistance .....	B-49
FEMA/CSEPP	
Chemical Hazard Prediction .....	B-50
FEMA/CSEPP	
Chemical Hazard Prediction for Decision Makers .....	B-51
FEMA/CSEPP	
Chemical Stockpile Agent Characteristics .....	B-52
FEMA/CSEPP	
Chemical/Biological Countermeasures Training (CBCT).....	B-3
U.S. Army Chemical School	
Chemistry of Hazardous Materials .....	B-79
FEMA/National Fire Academy	
Command and Control of Fire Department Operations at Target Hazards .....	B-80
FEMA/National Fire Academy	
Command and Control of Operations at Natural and Man-Made Disasters .....	B-81
FEMA/National Fire Academy	

Community Response Emergency Simulation Training (CREST).....	B-4
DOD/National Interagency Civil-Military Institute	



Crisis Management Program for Senior Officials .....	B-28
DOE	
CSEPP Chemical Awareness .....	B-53
FEMA/CSEPP	
Department of Health and Human Services Courses.....	B-43
Designs for Air Impact Assessments at Hazardous Waste Sites .....	B-94
EPA	
Emergency Management Information System (EMIS) .....	B-54
FEMA/CSEPP	
Emergency Planner's Companion.....	B-55
FEMA/CSEPP	
Emergency Response to Criminal/Terrorist Incidents .....	B-65
FEMA/Emergency Management Institute	
Emergency Response to Hazardous Material Incidents.....	B-95
EPA	
Emergency Response to Terrorism: Basic Concepts.....	B-101
DOJ/Office of Justice Programs	
Emergency Response to Terrorism: Basic Concepts.....	B-82
FEMA/National Fire Academy	
Emergency Response to Terrorism: Incident Management .....	B-83
FEMA/National Fire Academy	
Emergency Response to Terrorism: Self-Study.....	B-84
FEMA/National Fire Academy	
Emergency Response to Terrorism: Tactical Considerations-Company Officer.....	B-85
FEMA/National Fire Academy	
Emergency Response to Terrorism: Tactical Considerations-Emergency Medical Services.....	B-86
FEMA/National Fire Academy	
Emergency Response to Terrorism: Tactical Considerations-Hazardous Materials .....	B-87
FEMA/National Fire Academy	
Exercise Design Course .....	B-66
FEMA/Emergency Management Institute	
Exercise Evaluation Course .....	B-67
FEMA/Emergency Management Institute	
Field Management of Chemical and Biological Casualties .....	B-5
U.S. Army MRICD	
First Responder Training Workshop: Public Transportation Chemical, .....	B-108
Biological and Nuclear Incidents	
Department of Transportation	
Fundamentals Course for Radiological Monitors .....	B-68
FEMA/Emergency Management Institute	

Fundamentals Course for Radiological Response Teams .....	B-69
FEMA/Emergency Management Institute	

Handling of Radiation Accidents by Emergency Personnel.....	B-30
DOE Radiation Emergency Assistance Center and Training Site (REAC/TS)	
Hazardous Material Incident Response Operations (165.5).....	B-96
EPA (Environmental Response Team)	
Hazardous Materials Incident Management.....	B-88
FEMA/National Fire Academy	
Hazardous Materials Incident Response Operations (HAZWOPER).....	B-31
DOE	
Hazardous Materials Operating Site Practices.....	B-89
FEMA/National Fire Academy	
Health and Safety Plan Workshop (165.12).....	B-97
EPA	
Health Physics for the Industrial Hygienist .....	B-32
DOE	
Health Physics in Radiation Accidents.....	B-33
DOE Radiation Emergency Assistance Center and Training Site (REAC/TS)	
How Do I Know?.....	B-56
FEMA/CSEPP	
Incident Command System for Emergency Medical Services.....	B-90
FEMA/National Fire Academy	
Incident Command System/Emergency Operations Center (ICS/EOC) Interface .....	B-70
FEMA/Emergency Management Institute	
Incident Command System for Law Enforcement Agencies .....	B-71
FEMA/Emergency Management Institute	
Incident Command System for Public Works.....	B-72
FEMA/Emergency Management Institute	
Incident Command/Unified Command for On-Scene Coordinators.....	B-98
EPA	
Integrated Emergency Management Course: Consequences of Terrorism.....	B-73
FEMA/Emergency Management Institute	
Introduction to Radiation Safety.....	B-34
DOE	
Law Enforcement Response to Weapons of Mass Destruction Incidents.....	B-102
OJP/LSU Academy of Counter-Terrorist Education	
Limited Exposure .....	B-57
FEMA/CSEPP	
Management of Chemical Warfare Injuries.....	B-58
FEMA/CSEPP	
Mass Fatalities Incident Course .....	B-74
FEMA/Emergency Management Institute	
Medical Effects of Ionizing Radiation .....	B-6

Armed Forces Radiobiology Research Institute (AFFRI)/Uniformed Services  
University of the Health Sciences (USUHS)

Medical Management of Biological Casualties.....	B-7
U.S. Army Office of the Surgeon General (OTSG) (USAMRIID)	
Medical Management of Chemical and Biological Casualties .....	B-8
U.S. Army MRICD/MRIID	
Medical Planning and Care in Radiation Accidents .....	B-35
DOE Radiation Emergency Assistance Center and Training Site (REAC/TS)	
NBC Domestic Preparedness Training Basic Awareness (Employee).....	B-9
DOD/SBCCOM	
NBC Domestic Preparedness Training Incident Command Course.....	B-10
DOD/SBCCOM	
NBC Domestic Preparedness Training Responder-Awareness Course.....	B-11
DOD/SBCCOM	
NBC Domestic Preparedness Training Responder-Operations Course.....	B-12
DOD/SBCCOM	
NBC Domestic Preparedness Training Senior Officials' Workshop .....	B-13
DOD/SBCCOM	
NBC Domestic Preparedness Training Technician-Emergency Medical Services Course .....	B-14
DOD/SBCCOM	
NBC Domestic Preparedness Training Technician-Hazmat Course.....	B-15
DOD/SBCCOM	
NBC Domestic Preparedness Training Technician-Hospital Provider Course.....	B-17
DOD/SBCCOM	
Occupational Health in Nuclear Facilities .....	B-36
DOE Radiation Emergency Assistance Center and Training Site (REAC/TS)	
Operational Radiation Safety .....	B-18
U.S. Army Chemical School	
Personal Protective Equipment .....	B-59
FEMA/CSEPP	
Preparing for and Managing the Consequences of Terrorism .....	B-19
National Interagency Civil-Military Institute	
Radiation Safety at Superfund Sites .....	B-99
EPA	
Radioactive Material Basics for Emergency Responders.....	B-37
DOE	
Radiological Accident Command Control and Coordination (RAC3).....	B-20
Defense Nuclear Weapons School (DNWS)	
Radiological Emergency Response.....	B-39
DOE	
Radiological Emergency Response Operations (RERO).....	B-75
FEMA/Emergency Management Institute	
Radiological Emergency Team (RETOPS) Operations .....	B-21



DNWS	
Radiological Hazards Training Course.....	B-22
DNWS	

Response Phase Decontamination for CSEPP.....	B-60
FEMA/CSEPP	
Technical Planning and Evaluation.....	B-61
FEMA/CSEPP	
Toxic Aid Automated Training.....	B-23
DOD/SBCCOM	
Toxic Chemical Training For Medical Support Personnel.....	B-24
DOD/SBCCOM	
Transportation Public Information Training.....	B-40
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Use of Auto-Injectors by Civilian Emergency Medical Personnel to Treat Civilians	
Exposed to Nerve Agent.....	B-62
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Weapons of Mass Destruction Bomb Technicians Emergency Actions.....	B-106
DOJ/FBI/Bomb Data Center/Hazardous Devices School	

## **APPENDIX A**

### **PERFORMANCE OBJECTIVES MATRIX**

## Performance Objectives Matrix

Performance Requirements						
Legend for requirements: ○ - basic level ● - advanced level ◆ - specialized						
Competency level		Awareness		Operations	Technician/ Specialist	Incident Command
Examples		Employees	Responders	Incident response teams, EMS basic HAZMAT personnel on scene	Incident response team specialist, technicians, EMS advanced, and medical specialist	Incident Commanders
Areas of Competency	Ref.	Facility workers, hospital support personnel, janitors, security guards	Initial firefighters, police officers, 911 operators/dispatchers			
1. Know the potential for terrorist use of NBC weapons: - what nuclear/biological/chemical (NBC) weapons substances are, - their hazards, and risks associated with them, - likely locations for their use, - the potential outcomes of their use by terrorist - indicators of possible criminal or terrorist activity involving such agents, - behavior of NBC agents.	C, F, M, m, G	○  ○ ○ ○	● ● ● ● ●	●  ● ● ● ●	● ◆ ● ● ● ◆	● ● ● ● ●
2. Know the indicators, signs and symptoms for exposure to NBC agents, and identify the agents from signs and symptoms, if possible.	C, F, M, m	○	●	●	◆	●
2a. Knowledge of questions to ask caller to elicit critical information regarding an NBC incident.	G, m		● (911 only)			
2b. Recognize unusual trends which may indicate an NBC incident.	G, m		●	●	◆	●
3. Understand relevant NBC response plans and SOPs and your role in them.	C, F, M, m	○	●	●	●	●
4. Recognize and communicate the need for additional resources during a NBC incident.	C, m, G	○	●	●	●	●
5. Make proper notification and communicate the NBC hazard.	C, F, M, m	○	●	●	●	●
6. Understand: - NBC agent terms - NBC toxicology terms	C, F, m	○	●	● ● (EMS-8 only)	● ●	● ●

**Legend for references:**

C - 29 CFR 1910.120 (OSHA Hazardous Waste Operations and Emergency response)

M - Macro objectives developed by a training subgroup of the Senior Interagency Coordinating Group)

m - Micro objectives developed by U.S. Army Chemical & Biological Defense Command

G - Focus Group workshop

F - NFPA Standard 472 ( Professional Competence of Responders to Hazardous Materials Incidents) and/ or NFPA Standard 473 (Competencies for EMS Personnel Responding to Hazardous Materials Incidents)

## Performance Objectives Matrix

Performance Requirements						
<i>Legend for requirements: ○ - basic level ● - advanced level ◆ - specialized</i>						
Competency level		Awareness		Operations	Technician/ Specialist	Incident Command
		Employees	Responders			
7. Individual protection at a NBC incident - Use self-protection measures - Property use assigned NBC protective equipment - Select and use proper protective equipment	C, F, M, m	○	●	● ● ●	◆ ◆ ◆	● ● ●
8. Know protective measures, and how to initiate actions to protect others and safeguard property in an NBC incident.	F, M	○	●	●	●	●
8a. Know measures of evacuation of personnel in a downwind hazard area for an NBC incident.	M, G		●	●		●
9. CB decontamination procedures for self victims, site/ equipment and mass casualties: - Understand & implement - Determine	C, F, M, m	○ self	●	● ●	◆ ◆	● ●
10. Know crime scene and evidence preservation at an NBC incident.	F, M, m	○	● (except 911)	●	●	●
10a. Know procedures and safety precautions for collecting legal evidence at an NBC incident.	F, G, m		●	●	◆	●
11. Know Federal and other support infrastructure and how to access in an NBC incident.	C, F, M, m		○ (911 only)	○	●	◆
12. Understand the risks of operating in protective clothing when used at a NBC incident.	C, F, m		○	●	●	●
13. Understand emergency and first aid procedures for exposure to NBC agents, and principles of triage.	F, M		○	●	◆	○
14. Know how to perform hazard and risk assessment for NBC agents.	C, F, M, m			●	◆	●
15. Understand termination/ all clear	C, F,			●	●	●

*Legend for references:*

C - 29 CFR 1910.120 (OSHA Hazardous Waste Operations and Emergency response)

M - Macro objectives developed by a training subgroup of the Senior Interagency Coordinating Group)

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## Performance Objectives Matrix

Performance Requirements						
Legend for requirements: ○ - basic level ● - advanced level ◆ - specialized						
Competency level		Awareness		Operations	Technician/ Specialist	Incident Command
		Employees	Responders			
procedures for a NBC incident.	m					
16. Incident Command System/ Incident Management System - Function within role in NBC incident - Implement for NBC incident	C, F, M			●	●	◆ ◆
17. Know how to perform NBC contamination control and containment operations, including for fatalities.	C, F, M, m			●	◆	●
17a. Understand procedures and equipment for safe transport of contaminated items.	G, m			●	◆	●
18. Know the classification, detection, identification and verification of NBC materials using field survey instruments and equipment, and methods for collection of solid, liquid and gas samples.	C, F, M, m			○	◆	●
19. Know safe patient extraction and NBC antidote administration.	F, m			● (medical only)	◆ (medical only)	○
20. Know patient assessment and emergency medical treatment in NBC incident	M, m, G			● (medical only)	◆ (medical only)	
21. Be familiar with NBC related Public Health & Local EMS issues.	G			● (medical only)	● (medical only)	○
22. Know procedures for patient transport following NBC incident.	F, G			● (medical only)	● (medical only)	○
23. Execute NBC triage and primary care	G			● (medical only)	◆ (medical only)	
24. Know laboratory identification and diagnosis for biological agents.	G				◆ (medical only)	
25. Have the ability to develop a site safety plan and control plan for a NBC incident.	C, F				◆	◆
26. Have ability to develop NBC response plan and conduct exercise of response.	G, m					●

*Legend for references:*

C - 29 CFR 1910.120 (OSHA Hazardous Waste Operations and Emergency response)

M - Macro objectives developed by a training subgroup of the Senior Interagency Coordinating Group)

m - Micro objectives developed by U.S. Army Chemical & Biological Defense Command

G - Focus Group workshop

F - NFPA Standard 472 ( Professional Competence of Responders to Hazardous Materials Incidents) and/ or NFPA Standard 473 (Competencies for EMS Personnel Responding to Hazardous Materials Incidents)

**APPENDIX B**

**COMPENDIUM**  
**of**  
**FEDERALLY-SPONSORED**  
**NBC RELATED COURSES**



**DEPARTMENT OF DEFENSE (DOD)**

***Course Title***                      **Biological Warfare and Terrorism: *The Medical and Public Health Response***

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***Course Sponsor***                      U.S. AMRIID/CDC

***Course Description***                      This live, interactive satellite broadcast will inform and educate health care professionals about the proper medical response in the event of an intentional biological agent release. World-renowned experts from the U.S. Army Medical Research Institute of Infectious Disease (USAMRIID), the Centers for Disease Control and Prevention (CDC), and other organizations will present this free program. The live broadcast will occur on September 21, 22, and 23, 1999 from 12:30 PM to 4:30 PM (EST). See “Comments” section for registration details. Length: 3 days

A taped rebroadcast will be available on October 2 and 3, 1999 from 11:30 AM to 5:30 PM (EST).

***Course Objectives***                      **DAY 1** – Overview of biological agents

- Identify the most likely biological pathogens to be used in warfare or a terrorist event;
- Identify the characteristics which make a biological pathogen an effective weapon;
- Describe the epidemiology, pathogenesis, clinical features, and medical management of representative pathogens and toxins.

**DAY 2** – Takes the student through the sequence of managing a battlefield BW scenario

- Identify the sequential steps involved in a successful medical response to a military biological weapons attack;
- Identify the epidemiological tools needed to recognize and distinguish a natural disease outbreak from a biological attack;
- Identify correct triage and field management methods for biological agent casualties.

**DAY 3** – Focuses on the civilian public health and medical response to bioterrorism

- Differentiate between a public health (PH) response to a biological terrorism (BT) event and other outbreak investigations;
- Identify the primary care providers’ role in a BT event;
- Identify the components of a PH response.

***NBC Areas of Competency***                      1, 2, 2b, 3, 5, 6, 13, 17, 19-24

***Target Audience***

Military/Civilian/both	Both
Emergency Responder Group	Public health professionals, Medical care providers, Patient care providers
Emergency Responder Levels	Technician/Specialist, Operations Level

***Type of Instruction***

Medium	Classroom, paper-based and interactive satellite broadcast
Gov/Contractor	TBD

***Recommended Class Size***                      None.

***Course Location/***

<u><i>Facility Dependent</i></u>	No.
<u><i>Course Availability</i></u>	Prior to broadcast.
<u><i>Cost (Does not include billeting)</i></u>	No cost.
<u><i>POC</i></u>	Darren Gerlach/Rick Stevens
<u><i>Phone Number</i></u>	(301) 619-7515/4880
<u><i>Comments</i></u>	<p><i>Registration</i> - Individuals should register on-line. At the interactive web-site <a href="http://www.biomedtraining.org">www.biomedtraining.org</a>, you will be able to review a list of viewing sites in your state, and be given contact information for the site facilitator location you would like to view the program. To ensure the receipt of print materials, the local site facilitator must know by 31 July 1999 that you will be attending the course. Additional students are welcome after this date provided the local facility will accommodate them, but print materials cannot be guaranteed. Please look on the interactive web-site <a href="http://www.biomedtraining.org">www.biomedtraining.org</a> or call the POCs listed above to determine if your organization or installation has been registered as a downlink site.</p> <p><i>Satellite Technical Specifications</i> - This broadcast will be available on C-band, Ku-band, and digital (FTS2000) satellite signals. Specific coordinates will be available 30 days prior to the program on the interactive web-site.</p> <p><i>How to view</i> – Ensure your organization/installation has assigned one person to act as the local site facilitator who will register your facility by using the interactive website or by calling the POCs listed above. Military callers may use the DSN prefix, 343-xxxx. The local site facilitator must reserve a classroom with the local technical point of contact, who should be prepared to be the main POC for information regarding their facility (i.e., satellite downlink capability and/or FTS2000 site code/ID). The program is available throughout the U.S., including Alaska, Hawaii and Puerto Rico. The rebroadcast on October 2 and 3 can only be received in the United States.</p> <p><i>Test signal</i> – 12:00 – 12:30 PM EST on the same day of the program in September and at 11:00 – 11:30 AM EST before the broadcast in October. Broadcast begins promptly at 12:30 PM on September 21, 22, and 23 and at 11:30 AM on October 2 and 3, 1999.</p>

## **Course Title**      **Chemical/Biological Countermeasures Training (CBCT)**

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**Course Sponsor**      U.S. Army Chemical School

**Course Description**      This is an introductory course which enables civilian agencies to develop internal procedures for responding to an NBC agent terrorist attack. Each iteration is tailored to fit the needs of the agency participating in the training. The course can be lengthened or shortened based on the agency's mission and the training required. Recommended length: 3.5 days (a 3-hour nuclear radiation portion may be added if desired)

**Course Objectives**

- Understand CB terrorist threat.
- Understand chemical and biological agents, effects, and behavior.
- Understand protection and decontamination equipment and procedures.
- Participate in live agent training.
- Understand the military support to a CB incident.

**NBC Areas of Competency**      1, 2, 2a, 2b, 3, 6, 7, 8, 8a, 9, 12-17, 18, 19, 26

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Firefighter/HAZMAT, Incident Commanders
Emergency Responder Levels	Awareness Level, Operational Level

**Type of Instruction**

Medium	Classroom and practical exercise
Gov/Contractor	Government

**Recommended**

**Class Size**      Less than 50 (20 - 25)

**Course Location/**

**Facility Dependent**      Yes. Use of CDTF & Tactical Clearing

**Course Availability**      Within 30 days

**Cost (Does not include billeting)**      \$362 per person & travel, lodging & meal costs

**POC**      Mr. Michael Sheheane

**Address**      Fort Leonardwood, MO

**Phone Number**      (573) 563-7257

**Prerequisites**      10 days prior coordination - HAZMAT Level 1 certification, medical screening, 20/40 vision or optical inserts.

**Comments**      Some training is military equipment oriented. Nuclear module may be added. Tabs B, C, D and I of training course are particularly relevant. Does not cover the nuclear component.

## **Course Title**      **Community Response Emergency Simulation Training (CREST)**

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<b><u>Course Sponsor</u></b>	National Interagency Civil-Military Institute
<b><u>Course Description</u></b>	The course uses a combination of instruction and a computer-driven model to allow civilian and military responders to exercise vertical and horizontal interaction in response to a WMD terrorist event. CREST is a “train-the-trainer” program that includes a take home package that will allow students to conduct exercises to evaluate their interagency response plans. Length: 5 days
<b><u>NBC Areas of Competency</u></b>	1, 3, 4, 5, 11, 16, 21, 26
<b><u>Target Audience</u></b>	
Military/Civilian/both	Both
Emergency Responder Group	Firefighter/HAZMAT, EMS, Law Enforcement, Emergency Managers
Emergency Responder Levels	Operations Level
<b><u>Type of Instruction</u></b>	
Medium	Classroom, interactive computer laboratory
Gov/Contractor	Both
<b><u>Recommended</u></b>	
<b><u>Class Size</u></b>	38
<b><u>Course Location/</u></b>	NICI, San Luis Obispo, California
<b><u>Facility Dependent</u></b>	Yes
<b><u>Course Availability</u></b>	Temporarily cancelled due to lack of funding. Potential for course to resume October 1, 1999.
<b><u>POC</u></b>	MAJ Beth Dreiling, DPDR Coordinator
<b><u>Address</u></b>	NICI, P.O. Box 4209, San Luis Obispo, CA 93403
<b><u>Phone Number</u></b>	(805) 782-6739
<b><u>E-mail</u></b>	dreilingb@nici.org
<b><u>Comments</u></b>	Students are given an exportable, PC-based system to use at their home site upon completion of the course. The “Preparing for and Managing the Consequences of Terrorism Course” is the ideal preparation for this course.

## **Course Title**      **Field Management of Chemical and Biological Casualties**

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<b><u>Course Sponsor</u></b>	U.S. Army MRICD
<b><u>Course Description</u></b>	The course is intended for non-medical officers and non-commissioned officers. The course is intended for first responders in military field units. Emphasis is placed on the initial treatment of casualties, transportation, and decontamination of chemical and biological agent casualties. The course is held four times a year at the U.S. Army Medical Research Institute of Chemical Research and the U.S. Army Medical Research Institute of Infectious Diseases. Length: 5 days
<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Recognize the military terms for chemical agents, the clinical effects of the agents, and means of therapeutic intervention in a field environment.</li><li>• Recognize methods of managing contaminated and uncontaminated casualties in a field environment.</li><li>• Recognize the historical aspects of chemical agent use in warfare and identify chemical warfare capabilities practiced in the world today by countries or by terrorist groups.</li></ul>
<b><u>NBC Areas of Competency</u></b>	2, 8a, 9, 13, 14, 19, 20, 22
<b><u>Target Audience</u></b>	
Military/Civilian/both	Both
Emergency Responder Group	Firefighter/HAZMAT, Law Enforcement,
Emergency Responder Levels	Awareness Level, Operations Level and Technician Level
<b><u>Type of Instruction</u></b>	
Medium	Classroom, paper based, video, CD-ROM and practical exercise
Gov/Contractor	Both
<b><u>Recommended Class Size</u></b>	Less than 50
<b><u>Course Location/ Facility Dependent</u></b>	No
<b><u>Course Availability</u></b>	Within 90 days
<b><u>Cost (Does not include billeting)</u></b>	\$15,000 per course
<b><u>POC</u></b>	COL Charles Hurst, MC (MRICD)
<b><u>Address</u></b>	USAMRICD, Edgewood Area, Aberdeen Proving Ground, MD 21010
<b><u>Phone Number</u></b>	(410) 436-2230
<b><u>Comments</u></b>	Requires videocassette and CD-ROM. Does not cover the nuclear component. The MRICD Satellite Course is a shortened version of this course covering only the chemical component. The live satellite broadcast will teach health-care providers how different classes of chemical warfare agents act, and how to diagnose and treat victims of chemical agent exposures. Please go to <a href="http://www.cw-med.org">www.cw-med.org</a> for more information.



## **Course Title**      **Medical Effects of Ionizing Radiation (MEIR)**

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<b><u>Course Sponsor</u></b>	Armed Forces Radiobiology Research Institute (AFRRI)/USUHS
<b><u>Course Description</u></b>	A course directed at physicians and other health care providers who require specialized training in nuclear disaster response. Topics covered include threat of nuclear exposure; principles and biology of ionizing radiation; radiation pathology; acute radiation syndrome; combined injury; psychological reactions; radioprotection/prophylaxis; radioactive fallout and radiological defense; internal radionuclide contamination management; and biomedical lessons learned from recent radiation accidents. The course covers known data on chemical/biological interactions with radiation. Length: 4 days
<b><u>Course Objectives</u></b>	<p>Provides background relating to human injury and combat effectiveness in nuclear weapons detonation or accident scenarios.</p> <ul style="list-style-type: none"><li>• Principles of Nuclear and other Ionizing Radiation Weapons</li><li>• Ionizing Radiation effects</li><li>• Medical problems and treatments associated with radiation, including external exposure and internal contamination</li></ul>
<b><u>NBC Areas of Competency</u></b>	2, 2a, 7, 16, 17, 19, 20, 21, 23
<b><u>Target Audience</u></b>	
Military/Civilian/both	Both
Emergency Responder Group	Emergency Medical Services (e.g., EMT, Paramedic), Emergency Medical Doctors/Nurses, Tertiary Care Physicians/Nurses, Deployable Hospital Providers
Emergency Responder Levels	Physicians, Senior Level Management
<b><u>Recommended Class Size</u></b>	Less than 100
<b><u>Course Location/ Facility Dependent</u></b>	No
<b><u>Course Cost</u></b> <b><u>(Does not include billeting)</u></b>	No tuition. All program iteration costs by funding agency.
<b><u>POC</u></b>	Office of Military Medical Operations
<b><u>Address</u></b>	Armed Forces Radiobiology Research Institute, 8901 Wisconsin Ave, Bethesda, MD 20889-5603
<b><u>Phone Number</u></b>	(301) 295-0316; Fax (301) 295-0424
<b><u>Comments</u></b>	A mobile training team is available to teach a 2.5 day MEIR course
<b><u>Prerequisites</u></b>	None

## **Course Title**      **Medical Management of Biological Casualties**

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<b><u>Course Sponsor</u></b>	U.S. Army Office of the Surgeon General (OTSG) (USAMRIID)
<b><u>Course Description</u></b>	Under development, this course will be available in CD-ROM format. It will present medical treatment protocols for immediate care of casualties, as well as information on agent detection and containment, decontamination, self-protection strategies and support activities. It will consist of three tracks: one for medical professionals (physicians, nurses and physicians assistants), one for first responders (military medics, EMTs and paramedics), and one for commanders and other non-medical personnel. Length: 6.5 days
<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Describe physiology and signs and symptoms of exposure to biological agents.</li><li>• Diagnose and treat biological agent casualties.</li></ul>
<b><u>NBC Areas of Competency</u></b>	13, 17, 19, 20
<b><u>Target Audience</u></b>	
Military/Civilian/both	Military
Emergency Responder Group	Firefighter/HAZMAT, Emergency Medical Services (e.g., EMT, Paramedic)
Emergency Responder Levels	Awareness Level, Operations Level, Technician/Specialist Level, EMS Level, Senior Management Level
<b><u>Type of Instruction</u></b>	
Medium	CD-ROM
Gov/Contractor	Both
<b><u>Recommended Class Size</u></b>	Less than 50
<b><u>Course Location/ Facility Dependent</u></b>	No
<b><u>POC</u></b>	Cdr Randy Culpepper
<b><u>Address</u></b>	USAMRIID, Attn: Operational Medicine Div., 1425 Porter St., Ft. Detrick, MD 21701
<b><u>Phone Number</u></b>	(301) 619-4535
<b><u>Comments</u></b>	Copies can be ordered from the National Audiovisual Center, (703) 487-4630. Scheduled availability in 1999. Target audience is military, although civilians can use. Does not cover the nuclear/chemical components.

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**Course Title**      **Medical Management of Chemical and Biological Casualties**

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**Course Sponsor**      U.S. Army MRICD/MRIID

**Course Description**      The course is intended for military medical personnel (physicians, nurses, physicians assistants, and certain corpsmen) and for civilian medical personnel who work around military chemical agents or who might manage military chemical or biological agent casualties (e.g., in war or after a depot accident). The prerequisite is that the attendee be a health care provider. The course is held 4 times a year at the U.S. Army Medical Research Institute of Chemical Research and the U.S. Army Medical Research Institute of Infectious Diseases. Length: 6.5 days

**Course Objectives**      Recognize the military terms for chemical and biological agents, the clinical effects of the agents, and means of therapeutic intervention in both a medical center and a field environment. Recognize methods of managing contaminated and uncontaminated casualties in a field environment or a fixed medical facility. Recognize the historical aspects of chemical and biological agent use in warfare and identify chemical and biological warfare capabilities practiced in the world today by countries or by terrorist groups.

**NBC Areas of Competency**      2, 8a, 9, 13, 14, 19, 20, 22

**Target Audience**

Military/Civilian/both	Military
Emergency Responder Group	Firefighter/HAZMAT, Emergency Medical Services (e.g., EMT, Paramedic)
Emergency Responder Levels	Awareness Level, Operations Level, Technician/Specialist Level, EMS Level, Senior Management Level

**Type of Instruction**

Medium	Classroom, paper based, video, computer based and practical exercise
Gov/Contractor	Both

**Recommended**

**Class Size**      Less than 50

**Course Location/**

**Facility Dependent**      No

**Cost (Does not include billeting)**      \$15,000 per course

**POC**      COL Charles Hurst (MRICD)

**Address**      Edgewood Area, Aberdeen Proving Ground, MD 21010

**Phone Number**      (410) 436-2230

**Comments**      A 3-day version of the course is available for export within 3 months of a request, subject to instructor availability. The 6 1/2 day course is scheduled 2 years in advance and focuses on military medical personnel. Required videocassette player and CD-ROM. Does not cover the nuclear component. Course available pending funding.

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**Course Title**                      **NBC Domestic Preparedness Training Basic Awareness (Employee)**

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**Course Sponsor**                      DOD/SBCCOM

**Course Description**                      A video presentation designed to acquaint a diversified audience of employees (e.g., security guards, 9-1-1 operators/dispatchers, cleaning staff, ticket takers, hospital support staff, baggage handlers) at potential terrorist target facilities with the signs and symptoms associated with a nuclear, biological and chemical terrorist incident, and how to recognize and respond to such an incident. The course includes a facilitator's guide and an example 9-1-1 checklist. Length: 30 minutes

**Course Objectives**                      Upon completion of the training, employees should:

- Know the potential for terrorist use of NBC weapons.
- Be able to recognize an NBC attack.
- Know how to make proper notification and communicate the NBC hazard.

In addition, 9-1-1 Operators/Dispatchers should:

- Know the questions to elicit critical NBC agent information from callers.
- Recognize unusual trends that may indicate an NBC incident.
- Know protective measures and how to initiate actions to protect others and safeguard property.
- Know the support infrastructure and how to access it in an NBC incident.

**NBC Areas of Competency**                      1, 2, 3, 4, 5, 6, 7, 8, 9, 10

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Facility employees
Emergency Responder Levels	Awareness

**Type of Instruction**

Medium	Classroom TV/VCR
Gov/Contractor	Both

**Recommended**

**Class Size**                      Limited only by facility capacity

**Course Location/ Facility Dependent**                      No

**POC**                      Domestic Preparedness CB Helpline

**Address**                      U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Grounds, MD 21010

**Phone Number**                      1-800-368-6498

**Comments**                      This video presentation is part of the National Defense Authorization Act for FY96, Title XIV Defense Against Weapons of Mass Destruction Preparedness Training Program which include Senior Officials' Workshop, Employee Basic Awareness Video, Responder Awareness, Responder Operations, Incident Command, Hazmat Technician, EMS Technician, and Hospital Provider Technician.

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**Course Title** NBC Domestic Preparedness Training Incident Command Course

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**Course Sponsor** DOD/SBCCOM

**Course Description** An advanced-level course designed to “train-the-trainers” of incident commanders (Battalion Chief [or equivalent] and above). Focus is on the management and associated decision making relevant to an NBC terrorist incident site and coordination of the response resources. Training will include a scenario-based tabletop exercise. Training builds upon the information contained in the Emergency Responder Awareness and Operations courses (or Technician-HAZMAT course). Length: 6 hours

**Course Objectives** Upon completion of the training and appropriate self-study and rehearsal, trainers will be prepared to provide instruction in the following areas summarized below (specific performance objectives are shown at Appendix A):

- Management of the incident site from the Incident Command perspective.
- Coordination of response assets.
- Procedures and resources for handling mass casualties to include mass decontamination.
- Downwind hazard impact and the decision to evacuate or protect in place.
- Decisions regarding detection, identification, protective equipment, decontamination and reoccupation of the facility.
- The Federal Response Plan and its relationship to an NBC terrorism incident.
- Development of a site safety plan.
- Development and exercise of an NBC response plan.

**NBC Areas of Competency** 1, 2, 2b, 3, 4, 5, 6, 7, 8, 8a, 9, 10, 10a, 11, 12, 13, 14, 15, 16, 17, 17a, 18, 19, 21, 22,25,26

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Incident Commander
Emergency Responder Levels	Incident Command

**Type of Instruction**

Medium	Classroom. Additional “break-out” room or tabletop exercise. TV/VCR, 35-mm slide projector and screen, 2 white boards, chalkboards and butcher block paper.
Gov/Contractor	Both

**Recommended Class Size** 10-20 students

**Course Location/ Facility Dependent** No

**POC** Domestic Preparedness CB Helpline

**Address** U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Grounds, MD 21010

**Phone Number** 1-800-368-6498

**Prerequisites** Successful completion of the Emergency Responder Awareness and Operations level courses (or Technician-HAZMAT course). Knowledge of the principles and working experience in responding to a HAZMAT incident. Knowledge and understanding of incident command and the Incident Command System. Prior training and competence as an instructor.

**Comments** This course is part of the National Defense Authorization Act for FY96, Title XIV Defense Against Weapons of Mass Destruction Preparedness Training Program which include Senior Officials’ Workshop, Employee Basic Awareness Video, Responder Awareness, Responder Operations, Incident Command, Hazmat Technician, EMS Technician, and Hospital Provider Technician.

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**Course Title**                      **NBC Domestic Preparedness Training Responder-Awareness Course**

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**Course Sponsor**                      DOD/SBCCOM

**Course Description**                      A course designed to “train-the-trainers” of initial emergency responders (e.g., firefighters, emergency medical responders and law enforcement personnel) to nuclear, biological and chemical terrorist incidents. Length: 4 hours

**Course Objectives**                      Upon completion of the training and appropriate self-study and rehearsal, trainers will be prepared to provide instruction in the following areas (specific performance objectives are shown at Appendix A):

- The NBC terrorist threat.
- Recognizing an NBC incident through signs, symptoms, and trends.
- Chemical and biological agents and types of radiological materials that might be used and relevant terminology.
- The physiological and psychological effects of C/B agents and radiological material.
- Potential dissemination devices.
- Individual protective measures.
- Responder actions.

**NBC Areas of Competency**                      1, 2, 2a, 2b, 3, 4, 5, 6, 7, 8, 8a, 9, 10, 10a, 11, 12, 13

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Firefighter/Hazmat, Law Enforcement, Emergency Medical Services (EMT/Paramedics), Incident Commanders, and First Responder Trainers
Emergency Responder Levels	Awareness

**Type of Instruction**

Medium	Classroom, TV/VCR, 35 mm slide projector and screen
Gov/Contractor	Both

**Recommended**

**Class Size**                      Optimum: 25 students, Maximum: 50 students

**Course Location/**

**Facility Dependent**                      No

**POC**

Domestic Preparedness CB Helpline

**Address**

U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Grounds, MD 21010

**Phone Number**

1-800-368-6498

**Prerequisites**

A basic understanding of, and familiarity with, the principles and procedures for responding to a HAZMAT incident. Prior training and competency as an instructor.

**Comments**

This course is part of the National Defense Authorization Act for FY96, Title XIV Defense Against Weapons of Mass Destruction Preparedness Training Program which include Senior Officials' Workshop, Employee Basic Awareness Video, Responder Awareness, Responder Operations, Incident Command, Hazmat Technician, EMS Technician, and Hospital Provider Technician.

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**Course Title** NBC Domestic Preparedness Training Responder-Operations Course

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**Course Sponsor** DOD/SBCCOM

**Course Description** An intermediate-level course designed to “train-the-trainers” of operations level emergency responders (e.g., incident response teams and EMS basic personnel) on nuclear, biological and chemical terrorist incidents. This course builds on the information presented in the Emergency Responder Awareness course. Length: 4 hours

**Course Objectives** Upon completion of the training and appropriate self-study and rehearsal, trainers will be prepared to provide instruction in the following areas (specific performance objectives are shown at Appendix A):

- Responder actions at the operations level under the Incident Command System.
- Basic chemical downwind hazard prediction.
- Personal protection requirements and capabilities.
- Introduction to detection and identification equipment for NBC agents.
- Emergency decontamination procedures for victims and responders.

**NBC Areas of Competency** 1, 2, 2b, 3, 4, 5, 6, 7, 8, 8a, 9, 10, 10a, 11, 12, 13, 14, 15, 16, 17, 17a, 18, 19, 20, 21, 22, 23

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Firefighter/Hazmat, Law Enforcement, Emergency Medical Services (EMT/Paramedics), Incident Commanders, and First Responder Trainers
Emergency Responder Levels	Operations

**Type of Instruction**

Medium	Classroom, TV/VCR, 35 mm slide projector and screen, overhead projector
Gov/Contractor	Both

**Recommended**

**Class Size** Optimum: 25 students, Maximum: 50 students

**Course Location/**

**Facility Dependent** No

**POC**

Domestic Preparedness CB Helpline

**Address**

U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Grounds, MD 21010

**Phone Number**

1-800-368-6498

**Prerequisites**

*Successful completion of the Emergency Responder Awareness course.* Knowledge of the principles and working experience responding to a HAZMAT incident. Prior training and competency as an instructor.

**Comments**

This course is part of the National Defense Authorization Act for FY96, Title XIV Defense Against Weapons of Mass Destruction Preparedness Training Program which include Senior Officials' Workshop, Employee Basic Awareness Video, Responder Awareness, Responder Operations, Incident Command, Hazmat Technician, EMS Technician, and Hospital Provider Technician.

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**Course Title**      **NBC Domestic Preparedness Training Senior Officials' Workshop**

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**Course Sponsor**      DOD/SBCCOM**Course Description**      A workshop, intended to instruct and inform the senior leadership of the city. The workshop is interactive, employing video clips, case studies, lecture and discussion to promote understanding amongst city officials of the impacts of nuclear, biological and chemical weapons of mass destruction. Length: 4.5 hours**Course Objectives**      Upon completion of the training, participants should be able to:

- Assess the potential risk to their community from NBC WMD.
- Identify possible targets within their community.
- Understand the implications for their community from NBC WMD.
- Interact with state and federal personnel so that operational assets can be assembled, assigned and employed with maximum effectiveness.
- Identify special legal and financial considerations that NBC WMD incidents may involve.

**NBC Areas of Competency**      None**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Mayor and his cabinet
Emergency Responder Levels	Senior management

**Type of Instruction**

Medium	Conference/classroom, TV/VCR, and projection screen
Gov/Contractor	Both

**Recommended Class Size**      Optimum: 10 students, Maximum: 20 students**Course Location/ Facility Dependent**      No**POC**      Domestic Preparedness CB Helpline  
**Address**      U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Grounds, MD 21010**Phone Number**      1-800-368-6498**Prerequisites**      A general understanding of the city's emergency management plan.**Comments**      This course is part of the National Defense Authorization Act for FY96, Title XIV Defense Against Weapons of Mass Destruction Preparedness Training Program which include Senior Officials' Workshop, Employee Basic Awareness Video, Responder Awareness, Responder Operations, Incident Command, Hazmat Technician, EMS Technician, and Hospital Provider Technician.



<b><i>Course Title</i></b>	<b>NBC Domestic Preparedness Training Technician-Emergency Medical Services Course</b>						
<b><i>Course Sponsor</i></b>	DOD/SBCCOM						
<b><i>Course Description</i></b>	An advanced-level course designed to “train-the-trainers” of Emergency Medical Services responders (e.g., EMT and paramedics) to nuclear, biological and chemical terrorist incidents. Training will be conducted both in the classroom as well as in a practical exercise training area. This course builds on the information presented in the Emergency Responder Awareness course. Length: 8 hours						
<b><i>Course Objectives</i></b>	<p>Upon completion of the training and appropriate self-study and rehearsal, trainers will be prepared to provide performance-based training in the following areas (specific performance objectives are shown at Appendix A):</p> <ul style="list-style-type: none"> <li>• Acute health effects of NBC agent exposure.</li> <li>• Recognition of trends indicating possible NBC incident.</li> <li>• Safe and legal antidote administration.</li> <li>• NBC unique triage and mass casualty considerations.</li> <li>• Emergency medical field treatment for NBC agents.</li> </ul>						
<b><i>NBC Areas of Competency</i></b>	1, 2, 2b, 3, 4, 5, 6, 7, 8, 9, 10, 10a, 11, 12, 13, 14, 15, 16, 17, 17a, 18, 19, 20, 21, 22, 23, 24, 25						
<b><i>Target Audience</i></b>	<table> <tr> <td>Military/Civilian/both</td><td>Civilian</td></tr> <tr> <td>Emergency Responder Group</td><td>Emergency Medical Services (EMT/Paramedics)</td></tr> <tr> <td>Emergency Responder Levels</td><td>Technical/Specialist Level</td></tr> </table>	Military/Civilian/both	Civilian	Emergency Responder Group	Emergency Medical Services (EMT/Paramedics)	Emergency Responder Levels	Technical/Specialist Level
Military/Civilian/both	Civilian						
Emergency Responder Group	Emergency Medical Services (EMT/Paramedics)						
Emergency Responder Levels	Technical/Specialist Level						
<b><i>Type of Instruction</i></b>	<table> <tr> <td>Medium</td><td>Classroom, TV/VCR, 35 mm slide projector and screen</td></tr> <tr> <td>Gov/Contractor</td><td>Both</td></tr> </table>	Medium	Classroom, TV/VCR, 35 mm slide projector and screen	Gov/Contractor	Both		
Medium	Classroom, TV/VCR, 35 mm slide projector and screen						
Gov/Contractor	Both						
<b><i>Recommended Class Size</i></b>	10-15 students						
<b><i>Course Location/ Facility Dependent</i></b>	Practical exercise training area approximately 50’x50’, and inclement weather alternative						
<b><i>POC</i></b>	Domestic Preparedness CB Helpline						
<b><i>Address</i></b>	U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Grounds, MD 21010						
<b><i>Phone Number</i></b>	1-800-368-6498						
<b><i>Prerequisites</i></b>	Successful completion of the Emergency Responder Awareness course. Specialized experience using the principles of, and familiarity with, the principles and procedures for the EMS response to a HAZMAT incident. Prior training and competency as an instructor.						
<b><i>Comments</i></b>	This course is part of the National Defense Authorization Act for FY96, Title XIV Defense Against Weapons of Mass Destruction Preparedness Training Program which include Senior Officials’ Workshop, Employee Basic Awareness Video, Responder Awareness, Responder Operations, Incident Command, Hazmat Technician, EMS Technician, and Hospital Provider Technician. Up to sixteen volunteer mock victims (minimum eight) required for the practical exercise.						

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**Course Title** NBC Domestic Preparedness Training Technician-Hazmat Course

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**Course Sponsor** DOD/SBCCOM

**Course Description** An advanced-level course designed to “train-the-trainers” of HAZMAT Technician-level emergency responders on nuclear, biological and chemical terrorist incidents. Length: 12 hours

**Course Objectives** Upon completion of the training and appropriate self-study and rehearsal, trainers will be prepared to provide performance-based training in the following areas (specific performance objectives are shown at Appendix A):

- The NBC terrorist threat.
- Recognizing an NBC incident through signs, symptoms, and trends.
- Chemical and biological agents and types of radiological materials that might be used and relevant terminology.
- Chemical agent terms, symbols, definitions, physical characteristics, technical data, and behavior.
- The physiological and psychological effects of C/B agents and radiological material.
- Immediate first aid and decontamination of each type of NBC hazard.
- Potential dissemination devices.
- Operation and use of field survey instruments and equipment for detection and identification of NBC materials.
- Selection and use of personal protective equipment.
- Implementing decontamination procedures.
- Responder actions at the technician level under the Incident Command System.

**NBC Areas of Competency** 1, 2, 2b, 3, 4, 5, 6, 7, 8, 9, 10, 10a, 11, 12, 13, 14, 15, 16, 17, 17a, 18, 19, 20, 21, 22, 23, 24, 25

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Hazmat
Emergency Responder Levels	Technical/Specialist Level

**Type of Instruction**

Medium	Classroom, TV/VCR, 35 mm slide projector and screen
Gov/Contractor	Both

**Recommended**

**Class Size** 10-15 students

**Course Location/**

**Facility Dependent** Well-ventilated practical exercise training area. Area to simulate hot, warm and cold zones; also inclement weather alternative.

**POC** Domestic Preparedness CB Helpline

**Address** U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Grounds, MD 21010

**Phone Number** 1-800-368-6498

**Prerequisites** Specialized experience using the principles and procedures for responding to a HAZMAT incident. Prior training and competency as an instructor.

**Comments** This course is part of the National Defense Authorization Act for FY96, Title XIV Defense Against Weapons of Mass Destruction Preparedness Training Program which include Senior Officials' Workshop, Employee Basic Awareness Video, Responder Awareness, Responder

Operations, Incident Command, Hazmat Technician, EMS Technician, and Hospital Provider Technician. Upon completion of this course, the trainers have satisfied the Incident Command Course prerequisites.

<b><i>Course Title</i></b>	<b>NBC Domestic Preparedness Training Technician-Hospital Provider Course</b>
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<b><u>Course Sponsor</u></b>	DOD/SBCCOM
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<b><u>Course Description</u></b>	An advanced-level course designed to “train-the-trainers” of hospital providers (e.g., emergency department physicians, nurses) treating victims of nuclear, biological and chemical terrorist incidents. It will include the same subjects as the Technician-Emergency Medical Service course, but at a more advanced level. Training will consist of lecture, demonstration and case studies. Length: 8 hours
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<b><u>Course Objectives</u></b>	Upon completion of the training and appropriate self-study and rehearsal, trainers will be prepared to provide training in the following areas (specific performance objectives are shown at Appendix A):
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- Acute health effects of NBC agent exposure.
- Recognition of trends indicating possible NBC incident.
- Safe and legal antidote administration.
- NBC unique triage and mass casualty considerations.
- Decontamination of victims.
- Emergency medical treatment for NBC agents.
- Unique public health guidelines.

<b><u>NBC Areas of Competency</u></b>	1, 2, 2b, 3, 4, 5, 6, 7, 8, 9, 10, 10a, 11, 12, 13, 14, 15, 16, 17, 17a, 18, 19, 20, 21, 22, 23, 24, 25
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<b><u>Target Audience</u></b>	<table border="0"> <tr> <td>Military/Civilian/both</td> <td>Civilian</td> </tr> <tr> <td>Emergency Responder Group</td> <td>Emergency Room, Doctors/Nurses</td> </tr> <tr> <td>Emergency Responder Levels</td> <td>Operations Level, Technical/Specialist Level</td> </tr> </table>	Military/Civilian/both	Civilian	Emergency Responder Group	Emergency Room, Doctors/Nurses	Emergency Responder Levels	Operations Level, Technical/Specialist Level
Military/Civilian/both	Civilian						
Emergency Responder Group	Emergency Room, Doctors/Nurses						
Emergency Responder Levels	Operations Level, Technical/Specialist Level						

<b><u>Type of Instruction</u></b>	<table border="0"> <tr> <td>Medium</td> <td>Classroom, TV/VCR, 35 mm slide projector and screen</td> </tr> <tr> <td>Gov/Contractor</td> <td>Both</td> </tr> </table>	Medium	Classroom, TV/VCR, 35 mm slide projector and screen	Gov/Contractor	Both
Medium	Classroom, TV/VCR, 35 mm slide projector and screen				
Gov/Contractor	Both				

<b><u>Recommended Class Size</u></b>	Optimum: 15 students, Maximum: 25 students
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<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>POC</u></b>	Domestic Preparedness CB Helpline
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<b><u>Address</u></b>	U.S. Army Soldier and Biological Chemical Command, Aberdeen Proving Grounds, MD 21010
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<b><u>Phone Number</u></b>	1-800-368-6498
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<b><u>Prerequisites</u></b>	Understanding of, and familiarity with, the principles and procedures for the hospital response to a HAZMAT incident. Prior training and competency as an instructor.
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<b><u>Comments</u></b>	This course is part of the National Defense Authorization Act for FY96, Title XIV Defense Against Weapons of Mass Destruction Preparedness Training Program which include Senior Officials' Workshop, Employee Basic Awareness Video, Responder Awareness, Responder Operations, Incident Command, Hazmat Technician, EMS Technician, and Hospital Provider Technician. Upon completion of this course, the trainers have satisfied the Incident Command Course prerequisites.
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<b><u>Course Title</u></b>	<b>Operational Radiation Safety</b>
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<b><u>Course Sponsor</u></b>	U.S. Army Chemical School
<b><u>Course Description</u></b>	The Operational Radiation Safety Course contains formal training on general radiation safety procedures. It includes the following topics: properties of nuclear and machine radiation; detection and measurement of radiation; principles and practice of radiation shielding techniques; RADIAC instrumentation (including operation, calibration, and limitations), and applicable Federal and Army regulations for management of radiation sources. Length: 40 hours
<b><u>Course Objectives</u></b>	Course terminal learning objectives include Fundamentals of Nuclear Radiation; Radiation Quantities and Units; Biological effects of Ionizing Radiation; Basics of Radiation Detection; RADIAC Instruments; Shielding of Ionizing Radiation; Exposure Guidance; Transportation of Radioactive material; Radiation Survey/ Monitoring and Wipe/Leak Test; Identification and Handling of Radioactive Items; Safe Handling, Storage, Control, and Reporting of Radioactive Material; Depleted Uranium; and Radiation Accidents and Decontamination. Upon completion of the course, an individual is qualified to perform the duties of a local radiological protection officer for specific items of radioactive material (i.e., moisture density gauge).
<b><u>NBC Areas of Competency</u></b>	1-9, 11, 13, 16-18, 25, 26 (all for the Nuclear Component Only)
<b><u>Target Audience</u></b>	
Military/Civilian/both	Both
Emergency Responder Group	Any group having detection equipment
Emergency Responder Levels	Operations Level and Technician Level
<b><u>Type of Instruction</u></b>	
Medium	Lecture and practical exercise
Gov/Contractor	Government
<b><u>Recommended Class Size</u></b>	25-30
<b><u>Course Location/ Facility Dependent</u></b>	Yes. (Due to radiation lab requirements)
<b><u>Course Availability</u></b>	Within 30 days
<b><u>Cost (Does not include billeting)</u></b>	\$362 per person and travel, lodging and meal costs
<b><u>POC</u></b>	Mr. Michael Sheheane
<b><u>Address</u></b>	U.S. Army Chemical School, ATTN: ATZN-CMN-L, Ft. McClellan, AL 36205
<b><u>Phone Number</u></b>	(205) 848-4814
<b><u>Comments</u></b>	Does not address the Chemical/Biological components. A minimum of 70% is required to pass the course.

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**Course Title**                      **Preparing for and Managing the Consequences of Terrorism**

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<b><u>Course Sponsor</u></b>	National Interagency Civil-Military Institute
<b><u>Course Description</u></b>	This course trains civilian emergency managers, first responders and military personnel to work together in planning and conducting emergency responses to terrorism. Includes practical exercises. Length: 5 days
<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• <i>Understand</i> Weapons of Mass Destruction (WMD)</li><li>• <i>Understand</i> the Strategic Approach to Managing Terrorism</li><li>• Conducting Risk and Vulnerability Assessments</li></ul>
<b><u>NBC Areas of Competency</u></b>	1, 3, 4, 11, 16
<b><u>Target Audience</u></b>	
Military/Civilian/both	Both
Emergency Responder Group	Firefighter/HAZMAT, Incident Commanders
Emergency Responder Levels	Awareness Level, Operational Level
<b><u>Type of Instruction</u></b>	
Medium	Classroom, paper-based, video and practical exercise
Gov/Contractor	Both
<b><u>Recommended</u></b>	
<b><u>Class Size</u></b>	55
<b><u>Course Location/</u></b>	NICI, San Luis Obispo, California
<b><u>Facility Dependent</u></b>	No
<b><u>Course Availability</u></b>	Five to six iterations per year (see <a href="http://www.nici.org">www.nici.org</a> for details)
<b><u>Cost</u></b>	\$95.00 registration fee (covers all lunches and two evening social events). All other costs (travel, lodging and other meals) are the responsibility of the student.
<b><u>POC</u></b>	Lieutenant Colonel Sam Heady
<b><u>Address</u></b>	NICI, P.O. Box 4209, San Luis Obispo, CA 93403
<b><u>Phone Number</u></b>	(805) 782-6740, Fax: (805) 782-6745
<b><u>Prerequisites</u></b>	Involvement in organizations that plan for, mitigate, respond to and promote the recovery of acts of terrorism.
<b><u>Comments</u></b>	Course is conducted entirely in a classroom setting with group involvement during the conduct of the scenario driven practical applications. Scheduled courses can be found at <a href="http://www.nici.org">www.nici.org</a> . This course is the ideal preparation for the “Community Response Emergency Simulation Training Course”.

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**Course Title**      **Radiological Accident Command Control and Coordination (RAC3)**

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**Course Sponsor**

Defense Nuclear Weapons School (DNWS)

**Course Description**

Provides training in responsibilities and problem resolutions involved in a nuclear weapon accident response:

- Lessons learned from past accidents.
- Federal, state, and local agency responsibilities.
- Key issues specific to a nuclear weapon accident.

Culminates in a practical field exercise--you encounter realistic problems that occur during a nuclear weapon accident response. Length: 5 days

**Course Objectives**

Participants will:

- Identify various potential hazards associated with nuclear accidents.
- Discuss the history of nuclear accidents and the lessons learned.
- Identify DOD nuclear accident response capabilities.
- Identify legal issues and problems associated with a nuclear accident.
- Identify DOE nuclear accident response capabilities.
- Identify hazard assessment information.
- Identify FEMA nuclear accident response capabilities.
- Identify security issues affecting the Commander's Staff.
- Identify state and local nuclear accident response capabilities.
- Discuss public affairs issues affecting the Commander's Staff.
- Discuss medical issues affecting the Commander's Staff.
- Demonstrate the ability to resolve nuclear accident scenarios.

**NBC Areas of Competency**

6, 7, 11, 14, 17, 18, 21, 26

**Target Audience**

Military/Civilian/both

Military, DOD Civilian, Civil Authorities

Emergency Responder Group

Other (Senior Military Officers)

Emergency Responder Levels

Senior Management Level

**Type of Instruction**

Medium

Classroom, Practical Exercise, Videos

Gov/Contractor

Government (Delivered by)

**Course Location/****Facility Dependent**

No

**POC**

Captain Bobb

**Address**

Defense Nuclear Weapons School, Kirtland AFB, New Mexico 87117-5000

**Phone Number**

(505) 853-0190

**Prerequisites**

Military E-7 to O-6; DOD civilians, GS-9 and above. SECRET clearance with access to restricted data.

**Comments**

A mobile training team version of this course is available. A field uniform and protective mask are required. Does not cover the chemical/biological components.

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<b><u>Course Title</u></b>	<b>Radiological Emergency Team (RETOPS) Operations</b>
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<b><u>Course Sponsor</u></b>	Defense Nuclear Weapons School (DNWS)
<b><u>Course Description</u></b>	Field exercises involving alpha contamination and gamma radiation provides realistic scenarios for students to practice lessons. Course emphasis is on nuclear components and related materials which present special problems in accident and incident situations; characteristics, operation, functions, and construction of selected radiac equipment used for the detection of radiation; characteristics and hazards of radioactive materials; problems associated with nuclear accidents and incidents; and NET operations. Length: 2 weeks

<b><u>Course Objectives</u></b>	Participants will: <ul style="list-style-type: none"><li>• Describe basic nuclear physics, biological effects and protection from exposure to radiation.</li><li>• Identify potential hazards and explain how to protect oneself from these hazards.</li><li>• Describe federal response plans and capabilities.</li><li>• Demonstrate the use of radioactivity monitoring instruments.</li><li>• Explain dosimetry and the use of a dosimeter.</li><li>• Identify principles for collecting airborne radioactivity samples.</li><li>• Demonstrate accident patterns and plotting.</li><li>• Demonstrate the ability to properly don anti-C clothing and procedures for cleaning, inspecting, and proper wear of respiratory protection.</li><li>• Demonstrate the setup and operation of a contamination control station.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	6, 7, 8, 12, 14, 17, 18
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<b><u>Target Audience</u></b>	Military/Civilian/Both Military	Other (Emergency Team Members)
	Emergency Responder Group	Operations Level, Technical/Specialist Level
	Emergency Responder Levels	

<b><u>Type of Instruction</u></b>	Medium	Classroom, practical exercise, and video
	Gov/Contractor	Government

<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>POC</u></b>	Captain Bobb
<b><u>Address</u></b>	Defense Nuclear Weapons School, Kirtland AFB, New Mexico 87117-5669
<b><u>Phone Number</u></b>	(505) 853-1425
<b><u>Prerequisites</u></b>	Membership on an Emergency Team, field uniform w/protective mask, and calculator (optional)
<b><u>Comments</u></b>	A mobile training team version of this course is available. Does not cover the chemical/biological components.



## **Course Title**      **Radiological Hazards Training Course**

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### **Course Sponsor**

Defense Nuclear Weapons School (DNWS)

### **Course Description**

A course which provides training for medical service officers and enlisted personnel in the organization and function of nuclear weapon accident response. An historical overview of selected nuclear weapons accidents and incidents; hazards related to weapons accidents; response organizations and specialized capabilities; medical aspects and procedures for radiation accident victims; operation of radiation detection equipment, monitoring procedures, and associated protective measures. Length: 4 days

### **Course Objectives**

Participants will:

- Explain the structure of the atom, the type of radiation, and their origin.
- Describe the physical principles of nuclear weapons.
- Identify potential hazards and explain how to protect oneself from hazards present at a nuclear weapons accident site.
- Discuss the history of nuclear accidents and incidents.
- Describe federal response plans and capabilities.
- Explain the medical aspects of exposure to radiation.
- Demonstrate the ability to properly don anti-C clothing and set up a contamination control station.
- Demonstrate the proper use of respiratory protection.
- Demonstrate the use of radioactivity monitoring and sampling equipment.
- Explain procedures for handling patients contaminated with radioactivity.
- Describe pre-hospital and hospital response to a nuclear accident.

### **NBC Areas of Competency**

2, 6, 7, 8, 11, 13, 14, 18, 20, 23

### **Target Audience**

Military/Civilian/both

Military

Emergency Responder Group

Emergency Medical Services (e.g., EMT, Paramedic), Emergency Room

Doctors/Nurses

Emergency Responder Levels

EMS Level

### **Type of Instruction**

Medium

Classroom, practical exercise, and video

Gov/Contractor

Government

### **Course Location/ Facility Dependent**

No

### **POC**

Captain Keller

### **Address**

Defense Nuclear Weapons School, Kirtland AFB, New Mexico 87117-5669

### **Phone Number**

(505) 853-0187

### **Prerequisites**

None

### **Comments**

Field uniform and protective mask required. Does not cover the chemical/biological components.

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<b><u>Course Title</u></b>	<b>Toxic Aid Automated Training</b>
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<b><u>Course Sponsor</u></b>	DOD/SBCCOM
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<b><u>Course Description</u></b>	This course is a multimedia toxic aid software delivered course for both orientation and refresher training of chemical surety laboratory workers. It provides training information on both chemical and surety material decontamination and toxic aid information. The purpose of the training package is to provide SBCCOM with a software alternative to the current classroom instruction and to also provide the government with a mechanism for determining work proficiency in critical areas. The training program combines full motion video with several interactive sessions. It takes about an hour to complete the training and the testing. If an employee feels they have the knowledge to successfully complete the test without the training, they can complete the program in less than 15 minutes. There is a scaled down version (without the multimedia) of the toxic aid software program available. Length: 1 hour
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<b><u>Course Objectives</u></b>	Student will be able to successfully handle a lab scale (i.e., chemical agent) spill.
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<b><u>NBC Areas of Competency</u></b>	9, 13
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both (usually surety operators in chemical agent labs)
Emergency Responder Group	Firefighter/HAZMAT (local fire department)
Emergency Responder Levels	Awareness, Operations Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom and computer based
Gov/Contractor	Government

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Greater than 100
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<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>Cost (Does not include billeting)</u></b>	No charge
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<b><u>POC</u></b>	Shirley Jones
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<b><u>Address</u></b>	Technical Director, ATTN: AMSSB-RCB-RS, Aberdeen Proving Ground, MD 21010
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<b><u>Phone Number</u></b>	(410) 436-2493
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<b><u>Comments</u></b>	Experience in developing 1st hand chemical safety & health training in interactive format. Could develop tailored training for 1st Responders. Combination of & CD-ROM for practice. All U.S. Army Technical Escort Unit (TEU) personnel, supervisors, have taken this course. Requires video cassette player and computer with CD-ROM drive. Does not cover the nuclear/biological components.
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<b><u>Course Title</u></b>	<b>Toxic Chemical Training For Medical Support Personnel</b>
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<b><u>Course Sponsor</u></b>	DOD/SBCCOM
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<b><u>Course Description</u></b>	This course in Edgewood, MD, is designed to prepare the medical staff at chemical weapons depots to more effectively handle their responsibilities. Includes chemical agent chemistry, biological effects, signs and symptoms of exposure, and treatment. Also has extensive information on disaster planning, coordination and training. Has evolved to include off-post Chemical Stockpile Emergency Preparedness Program (CSEPP) activities. Length: 4.5 days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Understand chemical agents, their toxic effects and treatment.</li><li>• Understand and be able to conduct/supervise patient decontamination.</li><li>• Be able to complete Chemical Accident and Incident Response and Assistance (CAIRA)/Disaster Planning.</li><li>• Understand and comply with regulatory requirements.</li><li>• Understand and be able to participate in CAIRA Planning and Response.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	2, 3, 9, 13, 19-23, 25 26
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<b><u>Target Audience</u></b>
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Military/Civilian/both	Both
Emergency Responder Group	Emergency Medical Services (EMT, Paramedic)
Emergency Responder Levels	EMS

<b><u>Type of Instruction</u></b>
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Medium	Classroom and practical exercise
Gov/Contractor	Government

<b><u>Recommended</u></b>
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<b><u>Class Size:</u></b>	Less Than 50
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<b><u>Course Location/</u></b>
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<b><u>Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Within 90 days
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<b><u>Cost (Does not include billeting )</u></b>	\$20,000 per course
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<b><u>POC</u></b>
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LTC Richard Kramp
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<b><u>Address</u></b>
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Cdr., SBCCOM, Attn: AMSSB-SRO, Aberdeen Proving Ground, MD 21010
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<b><u>Phone Number</u></b>
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(410) 436-3163
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<b><u>Comments</u></b>
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Does not cover the nuclear/biological components .
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**DEPARTMENT OF ENERGY (DOE)**

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**Course Title**      **ALARA for Design and Operations Engineers - Instructor Manual**

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**Course Sponsor**

DOE

**Course Description**

This package is designed to introduce engineers to the fundamentals of radiation and contamination reduction when designing or modifying plant facilities or operations. Key areas of importance include the history and philosophy of ALARA (As Low As Reasonably Achievable); types of radiation; selected topics related to radiation protection; the five basic ALARA principles; applications of ALARA in design; and an example of an ALARA design and operations review program. The DOE Training Resource and Data Exchange Network developed the package. It includes a full set of instructor and participant materials, exercises, an evaluation form, and an examination. Length: self-paced

**Course Objectives**

There are two "terminal" objectives for the course:

- Participants will demonstrate without reference and with 80% accuracy, their knowledge of the ALARA philosophy, types of radiation, seven topics concerning ALARA, and the principles of ALARA used to minimize radiation and contamination.
- Participants will demonstrate the application of ALARA principles in design by actively participating in the group exercises in class.

There are also separate enabling objectives for each module.

**NBC Areas of****Competency**

6, 8

**Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Not intended for any of these personnel

*Emergency Responder Levels*

Awareness Level

**Type of Instruction**

Medium

Classroom, paper-based and practical exercise

Gov/Contractor

Contractor

**Recommended****Class Size**

Less than 20 (with small groups of 4)

**Course Location/****Facility Dependent**

No

**Cost (Does not  
include billeting)**

TBD

**POC**

Ms. Denise Viator, Resource Contact

**Address**

P.O. Box 117 MS 16, Oak Ridge Institute for Science and Education, Oak Ridge, TN 37831-0117

**Phone Number**

(423) 576-3316

**Comments**

Instructor Manual available upon request for use by your own in-house instructors. Does not cover the chemical/biological components.

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<b><u>Course Title</u></b>	<b>Applied Health Physics</b>
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<b><u>Course Sponsor</u></b>	DOE
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<b><u>Course Description</u></b>	This intensive training course consists of lectures and laboratory exercises. Participants spend approximately 40% of their time performing laboratory exercises using radiation detection and measurement equipment. Laboratory exercises complement the health physics principles learned in the lectures. Lecture and laboratory topics include: Radiation Physics, Radiation Detection and Measurement Techniques, Radiation Dosimetry, Radiation Dosimetry, Radiation Biology, Assay Techniques, Shielding and Facility Design, Radioactive Materials Control Techniques, Health Physics Principles, and Environmental Monitoring. Beginning with fundamental principles, each topic progresses to an advanced level. Instruction is fortified with weekly examinations and problem sessions. A final examination is given at the end of the course. Length: 5 weeks
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<b><u>Course Objectives</u></b>	At the close of this course, participants will be able to demonstrate a working level knowledge of: <ul style="list-style-type: none"><li>• Radiological controls, practices, procedures, and theory.</li><li>• Basic radiation detection methods and principles.</li><li>• Contamination control, practices, and procedures.</li><li>• ALARA principles, job planning, and job performance.</li><li>• The basic construction, operation, and theory of containment and confinement systems.</li><li>• Various radiation detection, criticality, and contamination monitoring systems and components.</li><li>• The engineered radiological controls and design criteria.</li></ul>
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<b><u>NBC Areas of</u></b>	
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<b><u>Competency</u></b>	1, 2, 6, 7, 8, 9, 12, 14, 17, 18
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
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Emergency Responder Group	Not intended for any of these personnel
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Emergency Responder Levels	Technician/Specialist Level
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<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper based, video and practical exercise
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Gov/Contractor	Government
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<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 20
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	Yes (due to the amount of laboratory equipment required)
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<b><u>Course Availability</u></b>	Immediately
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<b><u>Cost (Does not include billeting)</u></b>	\$7,475 per person
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<b><u>POC</u></b>	Mr. Paul Frame, Group Leader
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<b><u>Address</u></b>	P.O. Box 117 MS 11, Oak Ridge Institute for Science and Education, Oak Ridge, TN 37831-0117
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<b><u>Phone Number</u></b>	(423) 576-3388
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*Comments*

Does not cover the chemical/biological components.

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<b><u>Course Title</u></b>	<b>Crisis Management Program for Senior Officials</b>
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<b><u>Course Sponsor</u></b>	DOE
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<b><u>Course Description</u></b>	<p>The Crisis Management Program for Senior Officials Course is designed to provide senior officials who function as crisis managers with a basic knowledge of their duties and responsibilities in planning and preparing for a crisis. The program is to be administered by emergency preparedness coordinators/trainers at their own facilities. The program package includes a brochure, a videotape, an assessment tool, presentation and instructor materials for 5 senior management briefing, and suggested follow-up activities following the briefing. The topics for the briefing are:</p> <ul style="list-style-type: none"><li>• Crisis Management in Perspective.</li><li>• Phases of a Crisis.</li><li>• Strategic Role of the Crisis Manager.</li><li>• Constraints and Consequences of a Crisis.</li><li>• Crisis Management Stress.</li></ul> <p>This package is a product of the Training Resources and Data Exchange Network at DOE.</p> <p>Length: 0.5 days</p>
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<b><u>Course Objectives</u></b>	<p>Program objectives are as follow: (Note these are briefing objectives and therefore not stated in performance terms.)</p> <ul style="list-style-type: none"><li>• Explain how crisis management differs from day-to-day management: spectrum of decision making, decision making differences, strategic perspective, need to plan for crisis management, functions of an Emergency Operations Center (EOC), and need for operational organizational relationships.</li><li>• Provide an understanding of the evolution and phases of a crisis, potential crisis categories, different phases of a crisis, and the importance of evaluation after a crisis.</li><li>• Develop an understanding of the crisis manager's strategic role: relationship with the media, responsibilities of a crisis manager, information required to make decisions, communications channels needed, crisis management skills, and the media and the media spokesperson.</li><li>• Enhance understanding of how important and difficult the role of a decision maker is during a crisis: constraints associated with decision making, major critical decision points, and major consequences of inappropriate action during a crisis.</li><li>• Provide knowledge of stress and stress symptoms: define stress, describe symptoms, discuss techniques to manage stress, and discuss post traumatic stress.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	3, 4, 5
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Public Officials
Emergency Responder Levels	Senior Management Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper based, video and practical exercise
Gov/Contractor	Government



**Recommended**

**Class Size** Less than 20 (with small groups of 4)

**Course Location/  
Facility Dependent**

No

**Course Availability**

Immediately

**Cost (Does not  
include billeting)**

\$10,000 per course

**POC**

Mr. Darrell Lankford, Program Director

**Address**

P.O. Box 117 MS 11, Oak Ridge Institute for Science and Education, Oak Ridge, TN 37831-0117

**Phone Number**

(423) 576-4872

## **Course Title**      **Handling of Radiation Accidents by Emergency Personnel**

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### **Course Sponsor**

DOE Radiation Emergency Assistance Center and Training Site (REAC/TS)

### **Course Description**

This course is for physicians, nurses, and physician assistants who may be called upon to provide emergency medical service to a radiation accident victim. This course emphasizes the practical aspects of handling a contaminated victim by discussing the fundamentals of radiation, how to detect and measure it, how to prevent the spread of contamination, how to reduce the radiation dose to the victim and attending personnel, and the role of the medical/health physicist in caring for contaminated accident victims. Length: 3.5 days

### **Course Objectives**

- Discuss the concepts of radiation physics and radiobiology that are important in the emergency care of the radiation accident victim.
- Select and prepare an appropriate treatment/decontamination area within the hospital and determine staff and patient needs.
- Describe contamination control techniques that can be utilized during the emergency care of contaminated radiation accident victims.
- Select and correctly use radiological instruments to detect and measure radiation in a simulated contamination incident.
- Plan and conduct a radiation accident drill.

### **NBC Areas of**

#### **Competency**

8a, 13, 19, 20, 21 22

### **Target Audience**

Military/Civilian/both

Both

Emergency Responder Group

Firefighter/HAZMAT, Emergency Medical Services (EMS, Paramedic),  
Emergency Room Technician, & First Responder Trainers

Emergency Responder Levels

Technician/Specialist Level

### **Type of Instruction**

Medium

Classroom, paper based, and practical exercise

Gov/Contractor

Contractor

### **Recommended**

#### **Class Size**

Less than 20

### **Cost (Does not**

#### **include billeting)**

\$75 per person

### **POC**

Ms. Gail Mack

### **Address**

Ridge, TN 37831-0117

(REAC/TS) - Vance Road Facility, Oak Ridge Institute for Science and Education, Oak

### **Phone Number**

(423) 576-3132

### **Comments**

Does not address the chemical/biological components.

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<b><u>Course Title</u></b>	<b>Hazardous Materials Incident Response Operations (HAZWOPER)</b>
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<b><u>Course Sponsor</u></b>	DOE
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<b><u>Course Description</u></b>	This course is designed for personnel who are involved with the investigation and remediation of uncontrolled hazardous waste sites. It is designed for personnel who respond to accidents or releases of hazardous materials and provides information needed to meet the requirements of 29 CFR 1910.120, "Hazardous Waste Operations and Emergency Response". It is also designed so that personnel will be more knowledgeable in hazardous waste site operations, team functions, personnel health and safety, and field monitoring equipment. Length: 40 hours
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Identify methods and procedures for recognizing, evaluating, and controlling hazardous substances.</li><li>• Identify concepts, principles, and guidelines to properly protect site and response personnel.</li><li>• Discuss regulations and action levels to ensure the health and safety of the workers.</li><li>• Discuss the fundamentals needed to develop organizational structure and Standing Operating Procedures (SOPs).</li><li>• Demonstrate the selection and use of dermal and respiratory protective equipment and demonstrate the use and calibration of direct-reading air monitoring equipment.</li></ul>
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<b><u>NBC Areas of</u></b>	
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<b><u>Competency</u></b>	1, 2a, 2b, 5, 6, 7, 8, 9, 10, 10a, 11, 13, 18, 22, 25
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
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Emergency Responder Group	Firefighter/HAZMAT, Law Enforcement, Incident Command
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Emergency Responder Levels	Awareness Level, Operations Level
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<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper-based, video and practical exercise
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Gov/Contractor	Government
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<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 20
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Within 30 days
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<b><u>Cost (Does not</u></b>	
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<b><u>include billeting)</u></b>	TBD
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<b><u>POC</u></b>	Ms. Shadonna Frier
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<b><u>Address</u></b>	Training, U.S. Department of Energy, 1000 Independence Avenue, SW, Washington, DC 20585
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<b><u>Phone Number</u></b>	(202) 426-1350
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<b><u>Comments</u></b>	Course requires video cassette player.
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## **Course Title**      **Health Physics for the Industrial Hygienist**

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### **Course Sponsor**

DOE

### **Course Description**

This laboratory/lecture course covering basic radiation concepts enhances the understanding of industrial hygiene professionals related to environmental/occupational radiation protection, safety, measurements, and assessment. Lectures include a description of radiation sources, interactions, detection, and biological effects. Laboratory exercises stress radiation detection and survey techniques using portable instrumentation. Length: 1 week

### **Course Objectives**

At the close of this course, participants will be able to demonstrate knowledge of:

- Radiological controls, practices, procedures, and theory.
- Basic radiation detection methods and principles.
- Contamination control, practices, and procedures.
- ALARA principles, job planning and job performance.

### **NBC Areas of**

#### **Competency**

2, 2b, 6, 7, 8, 9, 12, 14, 17, 18

### **Target Audience**

Military/Civilian/both

Both

Emergency Responder Group

Not intended for any of these groups

Emergency Responder Levels

Awareness Level, Operations Level, EMS Level

### **Type of Instruction**

Medium

Classroom, paper based and practical exercise

Gov/Contractor

Contractor

### **Recommended**

#### **Class Size**

Less than 20

### **Course Location/**

#### **Facility Dependent**

Yes (due to the amount of laboratory equipment)

### **Course Availability**

Immediately

### **Cost (Does not**

#### **include billeting)**

\$1,495 per person

### **POC**

Mr. Paul Frame, Group Leader

### **Address**

P.O. Box 117 MS 11, Oak Ridge Institute for Science and Education, Oak Ridge, TN 37831-0117

### **Phone Number**

(423) 576-3388

### **Comments**

Does not address the chemical/biological components.

## **Course Title**      **Health Physics in Radiation Accidents**

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### **Course Sponsor**

DOE Radiation Emergency Assistance Center and Training Site (REAC/TS)

### **Course Description**

This course is for health physicists and radiation protection technologists who may be called upon to respond to accidents involving radioactive materials and injury to personnel. The major topics covered are radiological emergency procedures and the role of the health physicist in a medical environment. Length: 4.5 days

### **Course Objectives**

- Explain the role of the health physicist in assisting medical/paramedical personnel during emergency or long-term care of the radiation accident victim.
- List the components of pre-hospital and hospital emergency planning and describe any modifications required for radiation accident response.
- During a simulated radiation accident exercise, demonstrate the ability to advise a medical response team regarding contamination control, protective actions, radioassay results, and the efficiency of decontamination procedures.
- Demonstrate the ability to identify "unknown" radioactive contaminants during a radiation exercise.
- Name sources of assistance that are available during real or presumed radiation accidents.

### **NBC Areas of Competency**

1-4, 11, 14, 17, 25, 26

### **Target Audience**

Military/Civilian/both

Both

Emergency Responder Group

Emergency Medical Services (EMS, Paramedic, Emergency Room Technician, Doctors and Nurses) & First Responder Trainers

Emergency Responder Levels

Technician/Specialist Level

### **Type of Instruction**

Medium

Classroom, paper based, and practical exercise

Gov/Contractor

Contractor

### **Recommended**

#### **Class Size**

Less than 20

#### **Course Location/**

#### **Facility Dependent**

No

### **Course Availability**

Within 30 days

### **Cost (Does not include billeting)**

\$90 per person

### **POC**

Ms. Gail Mack, REAC/TS

### **Address**

P.O. Box 117 MS 39, Oak Ridge Institute for Science and Education, Oak Ridge, TN 37831-0117

### **Phone Number**

(423) 576-3132

### **Comments**

Does not address the chemical/biological components.

<b><u>Course Title</u></b>	<b>Introduction to Radiation Safety</b>
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<b><u>Course Sponsor</u></b>	DOE
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<b><u>Course Description</u></b>	This laboratory/lecture course introduces the health concerns and safety procedures required for users of radionuclides. Lectures include a description of radiation sources, interactions, detection, and biological effects. Laboratory exercises stress radiation detection and measurement techniques using both fixed and portable instrumentation. Length: 1 week
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<b><u>Course Objectives</u></b>	At the close of this course, participants will be able to demonstrate knowledge of: <ul style="list-style-type: none"><li>• Radiological controls, practices, procedures, and theory.</li><li>• Basic radiation detection methods and principles.</li><li>• Contamination control, practices, and procedures.</li><li>• ALARA principles, job planning, and job performance.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	2, 6, 7, 8, 17
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
Emergency Responder Group	Not intended for any of these groups
Emergency Responder Levels	Awareness Level, Operations Level, EMS Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper based and practical exercise
Gov/Contractor	Contractor

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 20
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	Yes (due to the amount of laboratory equipment)
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<b><u>Course Availability</u></b>	Immediately
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<b><u>Cost (Does not include billeting)</u></b>	\$1,495 per person
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<b><u>POC</u></b>	Mr. Paul Frame, Group Leader
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<b><u>Address</u></b>	P.O. Box 117 MS 11, Oak Ridge Institute for Science and Education, Oak Ridge, TN 37831-0117
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<b><u>Phone Number</u></b>	(423) 576-3388
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<b><u>Comments</u></b>	Does not address the chemical/biological components.
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<b><u>Course Title</u></b>	<b>Medical Planning and Care in Radiation Accidents</b>
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<b><u>Course Sponsor</u></b>	DOE Radiation Emergency Assistance Center and Training Site (REAC/TS)
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<b><u>Course Description</u></b>	This course is designed for physicians and physician assistants and presents an advanced level of information on the diagnosis and treatment of acute local and total body radiation exposure, internal and external contamination, combined injuries, and multi-casualty incidents involving ionizing radiation. Length: 4.5 days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Discuss the concepts of radiation physics and radiobiology that are of importance in medical planning and care of the radiation accident victim.</li><li>• Given hypothetical situations, select appropriate treatment protocols for:<ul style="list-style-type: none"><li>a patient suffering the acute radiation syndrome,</li><li>a patient with a partial body radiation injury,</li><li>an externally contaminated, injured patient,</li><li>a patient internally contaminated with radioactive material.</li></ul></li><li>• Given a hypothetical radiation accident situation, correctly define and assess the public health problem and determine the priorities in medical management.</li><li>• List the essential elements of a hospital's response plan for radiation emergencies and describe ways of adapting disaster plans for multiple casualties in a radiation emergency.</li><li>• Discuss the impact of human psychology on disaster response.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	21, 25, 26
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
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Emergency Responder Group	Emergency Medical Services (EMS, Paramedic, Emergency Room Technician, Doctors and Nurses) & First Responder Trainers
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Emergency Responder Levels	EMS Level
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<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper based, and practical exercise
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Gov/Contractor	Contractor
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<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 20
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<b><u>Cost (Does not</u></b>	
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<b><u>include billeting)</u></b>	\$90 per person
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<b><u>POC</u></b>	Ms. Gail Mack
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<b><u>Address</u></b>	(REAC/TS) - Vance Road Facility, Oak Ridge Institute for Science and Education, Oak Ridge, TN 37831-0117
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<b><u>Phone Number</u></b>	(423) 576-3132
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<b><u>Comments</u></b>	Does not address the chemical/biological components.
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**Course Title**      **Occupational Health in Nuclear Facilities**

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**Course Sponsor**

DOE Radiation Emergency Assistance Center and Training Site (REAC/TS)

**Course Description**

This course is for physicians, nurses, physician assistants, and others who provide occupational health care to employees of government nuclear industries. This course presents information on basic radiation sciences, health surveillance and evaluations, on-site emergency management of injuries, and medical implications of chemical, physical, biological, social, and psychological stresses on the ability to work. Additional topics include interdepartmental relationships and medical, legal, and ethical issues of concern to health professionals in nuclear facilities. Length: 4.5 days

**Course Objectives**

- Select and correctly use a survey instrument to detect and measure radioactivity.
- Describe the role of the physician/nurse in accident investigation and litigation.
- Given a simulated single or multiple casualty accident involving radioactive materials in the industrial setting:
  - triage and administer emergency aid at the accident scene, while limiting the spread of contamination.
  - decontaminate and treat the injured victims.
  - determine the need for and correctly select the appropriate therapy for patients sustaining internal contamination with radioactive materials.
  - counsel the involved workers regarding the long-term medical consequences of the radiation exposure.

**NBC Areas of Competency**

3, 13, 18-23

**Target Audience**

Military/Civilian/both

Both

Emergency Responder Group

Emergency Medical Services (EMS, Paramedic, Emergency Room Technician, Doctors and Nurses) &amp; First Responder Trainers

Emergency Responder Levels

Awareness Level, Operations Level

**Type of Instruction**

Medium

Classroom, paper-based, and practical exercise

Gov/Contractor

Contractor

**Recommended****Class Size**

Less than 20

**Cost (Does not****include billeting)**

\$90 per person

**POC**

Ms. Gail Mack

**Address**

Ridge, TN 37831-0117

(REAC/TS) - Vance Road Facility, Oak Ridge Institute for Science and Education, Oak

**Phone Number**

(423) 576-3132

**Comments**

Meets radiological first aid procedures and principles of triage requirements. Does not address the chemical/biological components.



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<b><i>Course Title</i></b>	<b>Radioactive Material Basics for Emergency Responders</b>
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<b><i>Course Sponsor</i></b>	DOE
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<b><i>Course Description</i></b>	<p>This course is designed to provide emergency first response personnel with a clear understanding of the knowledge and application of radiation protection principles. The purpose of the course is to provide basic information on radioactive materials for emergency responders who would respond to a transportation incident involving radiological materials. This course will explain what radioactive materials are, what the different types of radiation are, common terms, definitions, where you might encounter them, how radioactive materials could potentially harm you, and four steps you can use to minimize your risk at an incident scene. Length: 10 hours total (2 hours self-study, 8 hours facilitated)</p> <p>This course is currently undergoing revisions following pilot testing. The following modules are anticipated:</p> <ol style="list-style-type: none"><li>1. Putting Radioactive Materials into Perspective.</li><li>2. Understanding What Radioactive Materials Are.</li><li>3. Detecting, Measuring, and Assessing the Hazards of Radioactive Materials.</li><li>4. Identifying Radioactive Materials in Transportation.</li><li>5. Responding to the Radioactive Material Incident.</li></ol>
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<b><i>Course Objectives</i></b>	<ul style="list-style-type: none"><li>• Recognize radioactive materials and identify four common types.</li><li>• Define common radiological terms.</li><li>• Recognize the hazards associated with the different types of radiation.</li><li>• Identify the steps to maximize your safety and effectiveness in a transportation incident.</li><li>• Be confident in recognizing and identifying radiological materials in transportation by their placards, labels, and shipping papers.</li></ul>
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<b><i>NBC Areas of Competency</i></b>	1, 2, 2a, 6-8, 9, 12, 14, 15, 17, 18
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<b><i>Target Audience</i></b>	
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Military/Civilian/both	Both
Emergency Responder Group	Firefighter/HAZMAT, Law Enforcement, Incident Commanders & First Responder Trainers
Emergency Responder Levels	Awareness Level, Operations Level, EMS Level

<b><i>Type of Instruction</i></b>	
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Medium	Classroom, paper based, video, practical exercise, teleconference or combination
Gov/Contractor	Contractor

<b><i>Recommended</i></b>	
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<b><i>Class Size</i></b>	Less than 20
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<b><i>Course Location/</i></b>	
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<b><i>Facility Dependent</i></b>	No
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<b><i>Course Availability</i></b>	Within 3 months
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<b><i>Cost (Does not include billeting)</i></b>	\$1,000 per course
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*POC*

*Address*

*Phone Number*

*Comments*

Ms. Ella McNeil

DOE/EM-76/GTN/Cloverleaf Bldg., Rm. 1066, U .S. Department of Energy, 1000

Independence Avenue, SW, Washington, DC 20585

(301) 903-7284

Requires video cassette player. Does not address the chemical/biological components.

## **Course Title**      **Radiological Emergency Response**

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### **Course Sponsor**

DOE

### **Course Description**

This laboratory/lecture course introduces the health concerns and safety procedures required for radiological emergency response. Lectures include a description of radiation sources, interactions, detection, biological effects, and emergency response. Participants spend approximately 50% of their time in accident drills which are based on realistic scenario/simulations. Lecture and laboratory topics include: Historical Overview of Radiation Accidents, Radiation Detection, Contamination Surveys, Radiation Protection, Radiation Biology, Regulatory Guidance, Emergency Plans, Emergency Response, and Fires and related emergencies. Length: 1 week

### **Course Objectives**

- Knowledge of basic radiation detection methods and principles.
- Knowledge of contamination control, practices, and procedures.
- A working level knowledge of health physics and radiation protection to oversee emergency activities and provide guidance in mitigating emergencies.
- A working level knowledge of decontamination procedures.

### **NBC Areas of Competency**

2-9, 11-20, 22-26

### **Target Audience**

Military/Civilian/both

Both

Emergency Responder Group

Firefighter/HAZMAT, Emergency Medical Services (EMT, Paramedic) Law Enforcement, and First Responder Trainers

Emergency Responder Levels

Awareness Level, Operations Level, Technician/Specialist Level

### **Type of Instruction**

Medium

Classroom, paper-based, video, and practical exercise

Gov/Contractor

Contractor

### **Recommended**

#### **Class Size**

Less than 20

#### **Course Location/**

#### **Facility Dependent**

Yes (due to the amount of laboratory equipment required)

### **Course Availability**

Immediately

### **POC**

Mr. Paul Frame, Group Leader

### **Address**

P.O. Box 117 MS 11, Oak Ridge Institute for Science and Education, Oak Ridge, TN 37831-0117

### **Phone Number**

(423) 576-3388

### **Comments**

Training materials available; course no longer offered. Does not cover the chemical/biological components.

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<b><i>Course Title</i></b>	<b>Transportation Public Information Training</b>
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<b><i>Course Sponsor</i></b>	DOE
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<b><i>Course Description</i></b>	The Transportation Public Information training is a preparation course for U.S. Department of Energy (DOE) and stakeholder personnel at the state, tribal and local levels who need to communicate with the public concerning transportation activities. The training has proven valuable to personnel concerned with public outreach and information, transportation management, emergency management, public safety, radiological incident response, and emergency medical services. The overall goal of the training is to prepare participants to effectively plan for, carry out, and coordinate public information activities in conjunction with safe, routine transportation activities and with transportation incidents involving radioactive materials. Emphasis is placed on ongoing public communication and participation as vital to the success of public information efforts should an incident occur.
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<b><i>Course Objectives</i></b>	<p>Module 1: DOE Radiological Materials Transportation Programs</p> <p>At the end of Module 1, participants will be able to:</p> <ul style="list-style-type: none"><li>1.1 Describe key components of the DOE approach to ensuring safe radiological materials transportation activities.</li><li>1.2 Describe DOE preparedness for a response to radiological materials transportation incidents, including national assets available for assistance.</li><li>1.3 Discuss issues affecting the communication, coordination, and cooperation required in working with other agencies and jurisdictions for planning non-emergency and emergency transportation activities.</li><li>1.4 Identify information resources available to assist in transportation public communication activities.</li></ul> <p>Module 2: Principles of Public Communications and Participation</p> <p>At the end of Module 2, participants will be able to:</p> <ul style="list-style-type: none"><li>2.1 Discuss key components of effective communication planning.</li><li>2.2 Discuss public concerns and perceptions about the transportation of DOE radioactive materials and how to address them.</li><li>2.3 List at least five specific ways to earn trust and build credibility.</li><li>2.4 List at least three components of an effective informational presentation about the safety and risk of radiological materials and their transport.</li><li>2.5 List at least three techniques for working with the media during a shipping campaign or transportation incident.</li><li>2.6 List the three components of an effective answer and give at least one example answer to a tough question using the three-part answer presented in the class.</li><li>2.7 List at least three techniques for diffusing hostility.</li></ul> <p>Module 3: Simulation Exercise</p> <p>At the end of Module 3, participants will be able to:</p> <ul style="list-style-type: none"><li>3.1 Given a scenario for a hypothetical planned shipping campaign, apply public communication and participation principles to the delivery of an informational presentation and a simulated question and answer session.</li><li>3.2 Given a scenario for a hypothetical transportation incident, apply public communication principles to the development of a news release and a simulated media interview.</li><li>3.3 Discuss issues related to preparing for future shipments following a</li></ul>
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transportation incident.

**NBC Areas of Competency**

3, 4, 5, 11, 16, 17a

**Target Audience**

Military/Civilian/both

Emergency Responder Group

Emergency Responder Levels

Civilian

Firefighter/HAZMAT, Emergency Medical Services (EMS, Paramedic),  
Emergency Room Technician, & First Responder Trainers

Awareness Level, Operations Level, EMS Level, & Senior Management Levels

**Type of Instruction**

Medium

Gov/Contractor

Classroom, paper based, video, and practical exercise

Contractor

**Recommended**

Less than 50

**Class Size**

**Course Location/**

**Facility Dependent**

No

**Course Availability**

Immediately

**Cost (Does not**

**include billeting)**

\$5,000-8,000 per course, (Depending on location)

**POC**

Ms. Judith Holm

**Address**

DOE/EM-76/GTN/Cloverleaf Bldg., Rm. 1068, U.S. Department of Energy, 1000  
Independence Avenue, SW, Washington, DC 20585

**Phone Number**

(301) 903-7242

**Comments**

Course requires video cassette player for presentation. Does not address the  
chemical/biological components



**DEPARTMENT OF HEALTH AND HUMAN SERVICES (DHHS)**

**Department of Health and Human Services  
National Institute for Occupational Safety and Health (NIOSH)  
Education and Research (ERC)**

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The National Institute for Occupational Safety and Health (NIOSH) has 15 Education and Research Centers (ERCs) located throughout the United States. Courses are offered by designated schools of public health, environmental health and medicine throughout the United States. Although the NIOSH ERCs do not provide training specific to WMD incidents, these courses provide the base knowledge necessary for future NBC training. Courses are traditionally taught at the graduate level, focusing in the areas of industrial hygiene, occupational safety, medicine and nursing. Previous courses have included, but are limited to, the following:

**Hazardous Materials**

- Certified Hazardous Materials Manager Review
- Managing Hazardous Materials Incidents
- Hazardous Substances Management and Response: Health & Safety Issues
- Hazardous Materials, OSHA 201A
- Sampling for Hazardous Materials
- Chemical Protective Clothing
- Air Sampling for Toxic Substances

**Radiation / Nuclear**

- Applied Radiation Protection
- Nuclear Emergency Planning
- Management and Disposal of Radioactive Waste
- Radiation Safety Officer Course
- Radioactivity in the Environment: Risk, Assessment, and Measurement

**Biological**

- Control of BioHazards in the Research Laboratory
- Ecological Toxicology and Environmental Risk Assessment
- Pesticides: Risk Evaluation & Site Mitigation

**Respiratory**

- Occupational Respiratory Protection
- Pulmonary Function Testing
- Fit Testing Workshop
- Quantitative Fit Testing

To obtain information about programs currently offered in your area, please contact the nearest NIOSH ERC or visit their website ([www.dhhs.gov.niosh/erc](http://www.dhhs.gov.niosh/erc)). To receive printed information or if you have general questions, please contact the NIOSH Technical Information Line at 1-800-356-4674.

Deep South Center for Occupational Health  
and Safety  
University of Alabama at Birmingham,  
School of Public Health  
Birmingham, AL 35294-2010

POC – Melinda Sledge

Center for Occupational and Environmental  
Health  
University of California at Berkeley, Richmond Field Station  
1301 South 46<sup>th</sup> Street, Building 102  
Richmond, CA 94804

POC – Barbara Plog

205-934-7178

Southern California Education and Research  
Center  
University of Southern California  
1540 Alcazar Street, CHP 236  
Los Angeles, CA 900333

POC - Ruth McIntyre-Birkner  
323-442-3468

Center for Continuing Professional Education  
Harvard School of Public Health  
677 Hunnington Avenue  
Boston, MA 02115-6023

POC – Daryl Bichel  
617-432-3314

Johns Hopkins Education and Research Center  
School of Hygiene and Public Health  
615 North Wolfe Street  
Room 6001  
Baltimore, MD 21205

POC – Diane Zerbe  
410-955-423

Minnesota Education and Research Center  
Midwest Center for Occupational Health and Research  
Safety  
640 Jackson Street  
St. Paul, MN 55101

POC – Sharon Knopp  
612-221-3992

North Carolina Education and Research Center  
University of North Carolina at Chapel Hill  
109 Conner Drive, Suite 1101  
Chapel Hill, NC 27514

510-231-5645

Continuing Education Program, Educational  
Resource Center – University of Cincinnati  
P.O. Box 670056  
Cincinnati, OH 45267-0056

POC – Marianne Kautz  
800-207-3399

The Great Lakes Center for Occupational  
and Environmental Safety and Health  
University of Illinois at Chicago  
School of Public Health  
2121 West Taylor Street  
Chicago, IL 60612-7260

POC – Marylyn Bingham  
312-996-6904

Michigan Education and Research Center  
University of Michigan  
Center for Occupational Health and Safety  
Engineering  
1205 Beal, IOE Building  
Ann Arbor, MI 48109-2117

POC – Randy Rabourn  
734-936-0148

New York/New Jersey Education and  
Research Center  
EOHSI Center for Education and Training  
45 Knightsbridge Road, Brookwood II  
Piscataway, NJ 08854-3923

POC – Bonnie Wilson  
732-235-5062

University of South Florida  
College of Public Health  
Department of Environmental and  
Occupational Health  
13201 Bruce B. Downs Blvd.  
Tampa, FL 33612-3805



POC – Larry D. Hyde  
919-962-2101

POC – Michael Alexander  
813-974-4559

Southwest Center for Occupational &  
Environmental Health  
UT-H Health Science Center School of Public  
Health  
1200 Herman Pressler  
Houston, TX 77030

Rocky Mountain Center for Environmental  
Health  
University of Utah  
Salt Lake City, UT 84112

POC – Candace Pardue  
713-500-9463

POC – Luz Dominguez  
801-581-5710

Northwest Center for Occupational Health &  
Safety  
Department of Environmental Health  
University of Washington  
4225 Roosevelt Way NE, Suite 100  
Seattle, WA 98105-6099

POC – Jan Stewart  
206-543-1069



**FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)  
CHEMICAL STOCKPILE EMERGENCY PREPAREDNESS PROGRAM (CSEPP)**

**Course Title**      **Agent Characteristics and Toxicology First Aid and Special Treatment (ACTFAST) Use of Auto-Injectors**

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**Course Sponsor**      FEMA/CSEPP

**Course Description**      A course designed to prepare emergency medical personnel to recognize and provide first response treatment to personnel exposed to nerve and blister agents. It can be presented in three ways—self-study, classroom with prior material review by trainees or classroom with no prior material review. Length: 8 hours

**Course Objectives**

- Describe initial first aid for nerve and blister agents.
- Describe the potential hazards of nerve and blister agents, and how they work.
- Identify the signs and symptoms of nerve and blister agent exposure.

**NBC Areas of Competency**      13, 19, 20

**Target Audience**

Military/Civilian/both	Both
Emergency Responder Group	Firefighter/HAZMAT, Law Enforcement, Incident Commanders & First Responder Trainers
Emergency Responder Levels	Awareness Level, Operations Level and EMS Level

**Type of Instruction**

Medium	Classroom
Gov/Contractor	Contractor

**Course Location/  
Facility Dependent**      No

**POC**      Mr. Robert Norville

**Address**      500 C. Street, SW, Suite 629C, Washington, DC 20472

**Phone Number**      (202) 646-2734

**Comments**      This course is conducted by the States for emergency management professionals who are residents of the United States. For course availability and cost, contact the State Training Office of Emergency Service. Does not address the nuclear or biological components.

<b><u>Course Title</u></b>	<b>An Introduction to Protective Action Decision Making</b>
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<b><u>Course Sponsor</u></b>	FEMA/CSEPP
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<b><u>Course Description</u></b>	This video describes two primary protective action options (evacuation and shelter-in-place) that could be recommended during a chemical emergency, the crucial decision issues for each option, and a process that planners and decision makers can use in development. Length: 30 minutes
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Describe protective options evacuation and shelter-in-place.</li><li>• Describe decision issues related to each option.</li><li>• Enable planners to develop protective action plans.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	8, 8a
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
Emergency Responder Group	Firefighter/HAZMAT, Law Enforcement, Incident Commanders & First Responder Trainers
Emergency Responder Levels	Awareness Level, Operations Level and EMS Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper-based and video
Gov/Contractor	Contractor

<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Robert Norville
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<b><u>Address</u></b>	500 C. Street, SW, Suite 629C, Washington, DC 20472
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<b><u>Phone Number</u></b>	(202) 646-2734
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<b><u>Comments</u></b>	Requires video cassette player for presentation. Does not address nuclear/biological components of NBC.
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<b><u>Course Title</u></b>	<b>Chemical Accident/Incident Response &amp; Assistance</b>
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<b><u>Course Sponsor</u></b>	FEMA/CSEPP
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<b><u>Course Description</u></b>	A course emphasizing readiness in a possible chemical accident. Response and recovery phases are also discussed to a lesser degree. This course identifies the various functions performed after a chemical agent release and covers actions by public affairs, monitoring, decontamination, security, logistics. Length: 29 to 40 hours
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<b><u>Course Objectives</u></b>	Understand Army procedures in a chemical accident
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<b><u>NBC Areas of Competency</u></b>	3, 5, 21, 25, 26
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
Emergency Responder Group	Public Officials, Incident Commanders & First Responder Trainers
Emergency Responder Levels	Incident Command

<b><u>Type of Instruction</u></b>	
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Medium	Classroom
Gov/Contractor	Contractor

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 50
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<b><u>Course Location/ Facility Dependent</u></b>	Yes
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Barry Willmington
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<b><u>Address</u></b>	U.S. Army Defense & Ammunition Center, Savanna, IL 61074
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<b><u>Phone Number</u></b>	(815) 273-8915
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<b><u>Comments</u></b>	This course is intended for on-post personnel of a CSEPP site. Full course title: Chemical Accident/Incident Response and Assistance (CAIRA). Does not address nuclear or biological components.
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<b><u>Course Title</u></b>	<b>Chemical Hazard Prediction</b>
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<b><u>Course Sponsor</u></b>	FEMA/CSEPP
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<b><u>Course Description</u></b>	A course designed to teach fundamentals of downwind hazard prediction using the Emergency Management Information System (EMIS). The student will receive instruction on the various types of chemical agents and munitions in the Army stockpile. Length: 36 hours
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<b><u>Course Objectives</u></b>	Determine appropriate downwind distance hazards for an agent release. Be able to calculate agent cloud arrival and departure times. Be able to critically analyze program results to assure that protective action recommendations and decisions are meaningful and purposeful in mitigating the emergency situation.
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<b><u>NBC Areas of Competency</u></b>	4, 5, 14, 15, 16, 25
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Firefighters/HAZMAT, Incident Commanders & First Responder Trainers
Emergency Responder Levels	Technician/Specialist

<b><u>Type of Instruction</u></b>	
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Medium	Classroom and computer-based
Gov/Contractor	Contractor

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 20, more than 10
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	Yes
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Robert Norville
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<b><u>Address</u></b>	500 C. Street, SW, Suite 629C, Washington, DC 20472
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<b><u>Phone Number</u></b>	(202) 646-2734
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<b><u>Prerequisites</u></b>	Computer based course requiring an IBM - compatible 386.
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<b><u>Comments</u></b>	Requires projector screen and computers for students. Does not address nuclear or biological components.
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<b><u>Course Title</u></b>	<b>Chemical Hazard Prediction for Decision Makers</b>
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<b><u>Course Sponsor</u></b>	FEMA/CSEPP
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<b><u>Course Description</u></b>	A course designed to acquaint attendees with their responsibilities for PAD-making in the event of a chemical agent release. Centered around the Army's Emergency Management Information System (EMIS), the Army's authorized computer hazard prediction modeling program. Course stresses EMIS as a management tool. Length: 8 to 16 hours
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<b><u>Course Objectives</u></b>	Be able to use the EMIS to effectively use its output for protective action recommendations and protective action decisions.
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<b><u>NBC Areas of Competency</u></b>	5, 14, 15, 16, 25, 26
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Firefighters/HAZMAT, Incident Commanders & First Responder Trainers
Emergency Responder Levels	Technician/Specialist and Incident Command Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom and paper-based
Gov/Contractor	Contractor

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 50
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<b><u>Course Location/ Facility Dependent</u></b>	Yes
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Robert Norville
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<b><u>Address</u></b>	500 C. Street, SW, Suite 629C, Washington, DC 20472
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<b><u>Phone Number</u></b>	(202) 646-2734
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<b><u>Prerequisites</u></b>	Students must have an understanding of chemical agents and munitions, and the effects of chemical agents.
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<b><u>Comments</u></b>	Projector screen required. Does not address nuclear or biological components.
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**Course Title**      **Chemical Stockpile Agent Characteristics**

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**Course Sponsor**      FEMA/CSEPP

**Course Description**      Video program that teaches sophisticated information about military chemical weapons in a manner every adult can understand. Length: 17 minutes

**Course Objectives**      Ensure that those responsible for protecting U.S. civilians in the event of an incident involving a chemical warfare agent are prepared to offer the aid that will be needed.

**NBC Areas of Competency**      1, 2, 6, 14

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Firefighters/HAZMAT, Law Enforcement & First Responder Trainers
Emergency Responder Levels	Awareness Level and Operations Level

**Type of Instruction**

Medium	Video
Gov/Contractor	Contractor

**Recommended**

**Class Size**      Less than 100

**Course Location/**

**Facility Dependent**      No

**Course Availability**      Immediately

**POC**      Mr. Robert Norville

**Address**      500 C. Street, SW, Suite 629C, Washington, DC 20472

**Phone Number**      (202) 646-2734

**Comments**      Requires video cassette player for presentation. Does not address nuclear or biological component of NBC.



## **Course Title**      **CSEPP Chemical Awareness**

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**Course Sponsor**      FEMA/CSEPP

**Course Description**      This course is designed to familiarize participants with the chemical stockpile and its components, the Chemical Stockpile Disposal Program and the Chemical Stockpile Emergency Preparedness Program. Length: 6 to 8 hours

**Course Objectives**

- Describe the types of agents stored in each location.
- Describe major emergency planning steps for protecting people in the event of a chemical incident.
- Describe how to avoid contact with chemical agents.
- Describe effects of weather and terrain on the movement of chemical agents.
- Describe the symptoms of chemical agent exposure.

**NBC Areas of Competency**      2, 6, 8, 8a, 16, 26

**Target Audience**

Military/Civilian/both	Both
Emergency Responder Group	Firefighters/HAZMAT, Law Enforcement & First Responder Trainers
Emergency Responder Levels	Awareness Level and Operations Level

**Type of Instruction**

Medium	Classroom
Gov/Contractor	Contractor

**Course Location/  
Facility Dependent**      No

**POC**      Mr. Robert Norville  
**Address**      500 C Street, SW, Suite 629C, Washington, DC 20472  
**Phone Number**      (202) 646-2734  
**Comments**      Does not address nuclear or biological components.

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<b><u>Course Title</u></b>	<b>Emergency Management Information System (EMIS)</b>
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<b><u>Course Sponsor</u></b>	FEMA/CSEPP
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<b><u>Course Description</u></b>	Length dependent on the audience and levels of proficiency required. The course is structured to closely match the EMIS access levels of various Emergency Operations Center personnel. Each student will receive training based on his/her access privileges in EMIS and all lower levels. All students will receive an overview of the program. Length: 8 to 32 hours
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<b><u>Course Objectives</u></b>	Proficiency in the use of the Emergency Management Information System.
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<b><u>NBC Areas of Competency</u></b>	5, 11, 16
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Firefighters/HAZMAT, Incident Commanders & First Responder Trainers
Emergency Responder Levels	Technician/Specialist Level and Senior Management

<b><u>Type of Instruction</u></b>	
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Medium	Classroom and computer-based
Gov/Contractor	Contractor

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 20, more than 10
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	Yes
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Barry Willmington
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<b><u>Address</u></b>	U.S. Army Defense & Ammunition Center, Savanna, IL 61074
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<b><u>Phone Number</u></b>	(815) 273-8915
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<b><u>Prerequisites</u></b>	Proficiency in Microsoft Windows and the use of a mouse are required.
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<b><u>Comments</u></b>	Course location requires a projector screen and a Sun Server networked to 11 or more IBM compatible 80386 or better computers (1 for each student and 1 for instructor).
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## **Course Title**      **Emergency Planner's Companion**

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### **Course Sponsor**

FEMA/CSEPP

### **Course Description**

A suite of seven CD-ROM titles designed to familiarize the planner with and evaluate their competency in critical areas of the emergency planning process. Areas of Protective Action, Emergency Response Functions, Requirements for Alert and Notification and Communications Systems, Decontamination and Emergency Medical Support, and Emergency Worker Operations. Length: self-paced

### **Course Objectives**

- Familiarize planners with critical areas of emergency planning.
- Evaluate competency of planners to identify critical areas of the emergency planning process.

### **NBC Areas of Competency**

11, 16, 17, 17a, 25, 26

### **Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Public Officials
Emergency Responder Levels	Senior Management Level

### **Type of Instruction**

Medium	Paper-based and computer-based (CD-ROM)
Gov/Contractor	Contractor

### **Course Location/ Facility Dependent**

No

### **POC**

Mr. Robert Norville

### **Address**

500 C. Street, SW, Suite 629C, Washington, DC 20472

### **Phone Number**

(202) 646-2734

### **Comments**

Modifications based on the threat of non-stockpile agents may be required. Course location requires 486/66 MHz, Windows 3.1x 16 MB RAM, CD-ROM Drive Speed 4x, 16 bit sound card with external speakers and sound blaster compatible.

<b><u>Course Title</u></b>	<b><u>How Do I Know?</u></b>
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<b><u>Course Sponsor</u></b>	FEMA/CSEPP
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<b><u>Course Description</u></b>	This is a video and accompanying guide. The video describes and illustrates the testing and evaluation that went into assessing personal protective equipment (PPE) such as clothing, respirators, and monitoring devices, for use by emergency responders; and addresses federal regulatory requirements that have helped shape CSEPP emergency responder operations. The guide contains a collection of information sheets dealing with PPE that were prepared for use in CSEPP technical training courses on PPE, decontamination procedures, and medical care of chemical casualties. The guide may also serve as a stand-alone. Length: 33 minutes
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<b><u>Course Objectives</u></b>	Allow decision makers to understand what PPE is available, what are the pros and cons of making one selection versus another, what do the items cost, and where can more information be obtained.
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<b><u>NBC Areas of Competency</u></b>	7, 9, 13, 19, 20
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<b><u>Target Audience</u></b>	
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Military/Civilian/both

Both

Emergency Responder Levels

Awareness, Operations, Technician/Specialist Level

<b><u>Type of Instruction</u></b>	
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Medium

Paper-based and video

Gov/Contractor

Contractor

<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Robert Norville
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<b><u>Address</u></b>	500 C. Street, SW, Suite 629C, Washington, DC 20472
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<b><u>Phone Number</u></b>	(202) 646-2734
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<b><u>Comments</u></b>	Course subtitled: A Guide to the Selection of Personal Protective Equipment for Use in Responding to A Release of Chemical Warfare Agents. Requires video cassette player. Does not address nuclear or biological components.
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<b><i>Course Title</i></b>	<b>Limited Exposure</b>
<b><u>Course Sponsor</u></b>	FEMA/CSEPP
<b><u>Course Description</u></b>	Designed to clarify concepts that relate to the effectiveness of protective actions. Length: 4 hours
<b><u>Course Objectives</u></b>	Understand the following concepts: exposure and concentration over time.
<b><u>NBC Areas of Competency</u></b>	7, 8
<b><u>Target Audience</u></b>	
Military/Civilian/both	Civilian
Emergency Responder Group	Firefighters/HAZMAT, Law Enforcement
Emergency Responder Levels	Awareness Level
<b><u>Type of Instruction</u></b>	
Medium	Video
Gov/Contractor	Contractor
<b><u>Course Location/ Facility Dependent</u></b>	No
<b><u>Course Availability</u></b>	Immediately
<b><u>POC</u></b>	Mr. Robert Norville
<b><u>Address</u></b>	500 C. Street, SW, Suite 629C, Washington, DC 20472
<b><u>Phone Number</u></b>	(202) 646-2734
<b><u>Comments</u></b>	Does not address nuclear or biological components.

<b><u>Course Title</u></b>	<b>Management of Chemical Warfare Injuries</b>
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<b><u>Course Sponsor</u></b>	FEMA/CSEPP
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<b><u>Course Description</u></b>	Initially designed for military use, this course is designed to aid all medical personnel in the treatment of chemical agent casualties. This course is issued in CD-ROM format. Length: self-paced
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Describe technical information for nerve, blister, lung, cyanide and riot control agents.</li><li>• Diagnose and treat chemical agent casualties.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	13, 17, 19, 21
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
Emergency Responder Group	Firefighters/HAZMAT, Emergency Medical Services
Emergency Responder Levels	Operations Level, Technician/Specialist Level, EMS Level

<b><u>Type of Instruction</u></b>	
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Medium	CD-ROM
Gov/Contractor	Both

<b><u>Course Location/ Facility Dependent</u></b>	
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No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Robert Norville
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<b><u>Address</u></b>	500 C. Street, SW, Suite 629C, Washington, DC 20472
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<b><u>Phone Number</u></b>	(202) 646-2734
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<b><u>Comments</u></b>	Copies can be ordered from the National Audiovisual Center (703) 487-4630. Does not address the nuclear or biological components.
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<b><u>Course Title</u></b>	<b>Personal Protective Equipment</b>
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<b><u>Course Sponsor</u></b>	FEMA/CSEPP
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<b><u>Course Description</u></b>	This course provides knowledge about the role of personal protective equipment (PPE) in the CSEPP emergency response, different types of PPE, how to use and maintain PPE and factors that effect work rules, policies and procedures relating to use of PPE. Length: 8 hours
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Personal protection by donning PPE.</li><li>• Removal of PPE without contaminating oneself.</li><li>• Recognizing the limitations of PPE.</li><li>• Know when and how to use chemical detector kits.</li><li>• Know CSEPP, state and local work rules, policies and procedures.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	7, 8, 12, 18
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
Emergency Responder Group	Firefighters/HAZMAT, Law Enforcement
Emergency Responder Levels	Operations Level, Technician/Specialist Level, EMS Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom and Practical Exercise
Gov/Contractor	Contractor

<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>POC</u></b>	Mr. Robert Norville
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<b><u>Address</u></b>	500 C. Street, SW, Suite 629C, Washington, DC 20472
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<b><u>Phone Number</u></b>	(202) 646-2734
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<b><u>Prerequisites</u></b>	Certification at medical competency, and agreement to remain clean-shaven for the duration of the course.
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<b><u>Comments</u></b>	Does not address nuclear or biological components.
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<b><u>Course Title</u></b>	<b>Response Phase Decontamination for CSEPP</b>							
<b><u>Course Sponsor</u></b>	FEMA/CSEPP							
<b><u>Course Description</u></b>	A course designed to prepare personnel to perform Response Phase Decontamination for the Chemical Stockpile Emergency Preparedness Program. Length: 8 hours							
<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Lifesaving and minimization of personnel injury.</li><li>• Preventing contamination spread.</li></ul>							
<b><u>NBC Areas of Competency</u></b>	9, 20, 22, 23							
<b><u>Target Audience</u></b>	<table><tr><td>Military/Civilian/both</td><td>Both</td></tr><tr><td>Emergency Responder Group</td><td>Firefighters/HAZMAT, Emergency Medical Services</td></tr><tr><td>Emergency Responder Levels</td><td>Awareness Level, Operations Level, Technician/Specialist Level, EMS Level</td></tr></table>		Military/Civilian/both	Both	Emergency Responder Group	Firefighters/HAZMAT, Emergency Medical Services	Emergency Responder Levels	Awareness Level, Operations Level, Technician/Specialist Level, EMS Level
Military/Civilian/both	Both							
Emergency Responder Group	Firefighters/HAZMAT, Emergency Medical Services							
Emergency Responder Levels	Awareness Level, Operations Level, Technician/Specialist Level, EMS Level							
<b><u>Type of Instruction</u></b>	<table><tr><td>Medium</td><td>Classroom and practical exercise</td></tr><tr><td>Gov/Contractor</td><td>Contractor</td></tr></table>		Medium	Classroom and practical exercise	Gov/Contractor	Contractor		
Medium	Classroom and practical exercise							
Gov/Contractor	Contractor							
<b><u>Course Location/ Facility Dependent</u></b>	No							
<b><u>POC</u></b>	Mr. Robert Norville							
<b><u>Address</u></b>	500 C. Street, SW, Suite 629C, Washington, DC 20472							
<b><u>Phone Number</u></b>	(202) 646-2734							
<b><u>Comments</u></b>	Does not address nuclear or biological components.							



## **Course Title**      **Technical Planning and Evaluation**

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### **Course Sponsor**

FEMA/CSEPP

### **Course Description**

This course is designed to aid planners and decision makers in developing emergency response plans and preparing strategies for response to a chemical emergency. Length: 3 days

### **Course Objectives**

- Identify the physical and chemical properties of chemical agents that are important to the protective action decision making process and development of protective action strategies.
- Identify the potential human health effects of chemical agents that are important to the decision making process and development of protective action strategies.
- Define and illustrate the concepts of exposure, dose and risk and how they relate to the protective action decision making process.
- Describe the specific planning tools developed within CSEPP for protective action planning.
- Define evacuation and sheltering as protective actions for CSEPP.

### **NBC Areas of**

#### **Competency**

16, 25, 26

### **Target Audience**

Military/Civilian/both

Both

Emergency Responder Group

Firefighters/HAZMAT, Law Enforcement

Emergency Responder Levels

Awareness Level, Operations Level, Technician/Specialist Level, EMS Level

### **Type of Instruction**

Medium

Paper-based and other (computer-based)

Gov/Contractor

Both

### **Course Location/**

#### **Facility Dependent**

No

### **POC**

Mr. Robert Norville

### **Address**

500 C. Street, SW, Suite 629C, Washington, DC 20472

### **Phone Number**

(202) 646-2734

### **Comments**

Does not address nuclear or biological components.

***Course Title***      **Use of Auto-Injectors by Civilian Emergency Medical Personnel    to  
Treat Civilians Exposed to Nerve Agent**

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***Course Sponsor***      FEMA/CSEPP

***Course Objectives***

- Identify antidotes to be used and when to use them.
- Demonstrate the use of auto-injectors.
- Recognize adverse reactions to antidotes.

Length: 4 hours

***NBC Areas of  
Competency***      13, 19, 20

***Target Audience***

Military/Civilian/both Emergency Responder Group	Civilian Firefighters/HAZMAT, Emergency Medical Services (e.g., EMT, Paramedic, etc.)
<b>Emergency Responder Levels</b>	Awareness Level, Operations Level, Technician/Specialist Level, EMS Level and Senior Management Level

***Type of Instruction***

Medium	Classroom
Gov/Contractor	Contractor

***Course Location/  
Facility Dependent***      No

***POC***      Mr. Robert Norville

***Address***      500 C. Street, SW, Suite 629C, Washington, DC 20472

***Phone Number***      (202) 646-2734

***Comments***      Video, wall charts, and pocket cards are also available, depending on whether this is taught for 1st Responders as a stand-alone course or as part of ACT FAST. Does not address nuclear or biological components of NBC.



**FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)  
EMERGENCY MANAGEMENT INSTITUTE (EMI)**

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<b><u>Course Title</u></b>	<b>Advanced Radiation Incident Operations (ARIO)</b>
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<b><u>Course Sponsor</u></b>	FEMA/Emergency Management Institute
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<b><u>Course Description</u></b>	ARIO is a performance based course that builds on the knowledge, skills, and abilities of the Radiological Emergency Response Operations Course which will enable participants to better manage and plan for radiological operations and use specialized instruments that might be available to a responder. Length: 4.5 days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Integrate the radiological response team with multi-agency response structure.</li><li>• Manage information (interpret, prioritize, disseminate) from multiple sources.</li><li>• Analyze hazards through sampling and monitoring, and assess health and safety risks to develop operational priorities.</li><li>• Prioritize and implement operational goals in accordance with the radiological field response plan and applicable Federal regulations and guidelines.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	1-26
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
Emergency Responder Group	All Emergency Management Groups
Emergency Responder Levels	Federal, State, local and private sector

<b><u>Type of Instruction</u></b>	
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Medium	Classroom
Gov/Contractor	Government

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	24
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<b><u>Course Location/ Facility Dependent</u></b>	Yes
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<b><u>Course Availability</u></b>	Within 30 days
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<b><u>Cost (Does not include billeting)</u></b>	No cost to participants
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<b><u>POC</u></b>	Mr. Jose Cortes
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<b><u>Address</u></b>	Mount Weather Conference Center, 19844 Blue Ridge Mountain Road, Bluemont, VA 20135
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<b><u>Phone Number</u></b>	(540) 542-2548
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<b><u>Comments</u></b>	Focus of course is on terrorism.
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## **Course Title**      **Emergency Response to Criminal/Terrorist Incidents**

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**Course Sponsor**      FEMA/Emergency Management Institute

**Course Description**      The purpose of the course is to:

- Increase local emergency responder's ability to preserve evidence while performing rescue and fire suppression activities.
- Foster a cooperative working relationship when working together in responding to criminal incidents.
- Prepare for incidents when Federal responders are involved.
- Length: 6 hours

**Course Objectives**      At the completion of the course, participants will be able to:

- Recognize when incident sites may also be crime sites.
- Describe types and identify potential targets of criminal activity.
- Recognize potential hazards at crime scenes.
- Perform safe operations at criminal incident sites including rescuing and treating victims and preserving property.
- Stabilize the crime scene and maximize evidence preservation.
- List appropriate actions and actions to avoid at a criminal incident site.
- Describe the needs, roles, and responsibilities of law enforcement and non-law enforcement responders at a criminal incident site.
- Explain when and why Federal agencies get involved and how to interact with them.

**NBC Areas of**

**Competency**      1, 4, 10, 10a, 11, 16, 21, 26

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Firefighter/HAZMAT, Law Enforcement, Emergency Services Technician (e.g., EMT, Paramedic, etc.)
Emergency Responder Levels	Operations Level

**Type of Instruction**

Medium	Classroom, practical exercise, and video
Gov/Contractor	Both

**Recommended**

**Class Size**      Less than 30

**Course Location/**

**Facility Dependent**      No

**Course Availability**      Now

**Cost (Does not**

**include billeting)**      The course is given at no charge to the individual or organization

**POC**

Mr. Tom Marlowe

**Address**

Emergency Management Institute, 16825 S. Seton Avenue, Emmitsburg, MD 21727

**Phone Number**

(301) 447-1060

**Comments**

This course was designed to be delivered to the responders in a community/ jurisdiction. It will work best when delivered in that environment. If multiple jurisdictions are represented in the course, they should be grouped by jurisdiction. Course requires a video cassette player.

## **Course Title**      **Exercise Design Course**

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### **Course Sponsor**

FEMA/Emergency Management Institute

### **Course Description**

Part of a broader training approach to teach performance-based education to emergency management personnel how to design and conduct emergency exercises within the context of a community exercise program. Emphasis is on design of a functional exercise which will lead to the capability of a jurisdiction to conduct a full-scale exercise. Length: 16 hours

### **Course Objectives**

- Importance of exercise design.
- Design a progressive exercise program for a community.
- Conduct a tabletop exercise in their community.
- Understand physical requirements and roles for a functional exercise.
- Design an exercise evaluation form and evaluation methodology.

### **NBC Areas of**

#### **Competency**

25, 26

### **Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Emergency Management Professionals (e.g., EMT, Paramedic, etc.)

Emergency Responder Levels

EMS Level

### **Type of Instruction**

Medium

Classroom, paper-based and video

Gov/Contractor

Government

### **Recommended**

#### **Class Size**

Less than 50

### **Course Location/**

#### **Facility Dependent**

No

### **Cost (Does not include billeting)**

No cost

### **POC**

Lowell Ezersky

### **Address**

Emergency Management Institute, 16825 S. Seton Ave., Emmitsburg, MD 21727

### **Phone Number**

(301) 447-1355

### **Comments**

This course is offered under EMI's non-resident instruction program.

<b><u>Course Title</u></b>	<b>Exercise Evaluation Course</b>
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<b><u>Course Sponsor</u></b>	FEMA/Emergency Management Institute
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<b><u>Course Description</u></b>	A course which provides the base for evaluation of multi-hazard, multiple-jurisdiction exercises in which State and local governments participate. The focus is on the evaluation process to serve the needs of individuals who manage the exercise evaluation function in the field of emergency management. Length: 2 days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Describe the need for a systematic approach to exercise evaluation.</li><li>• List key steps in identifying and organizing an effective exercise evaluation team.</li><li>• Summarize the components of the exercise evaluation package and the process for evaluator team orientation and training.</li><li>• Describe and/or demonstrate skills required during the evaluation of an exercise.</li><li>• Describe and/or demonstrate key post-exercise evaluation activities.</li><li>• Identify the key tasks in each of the three phases of the exercise evaluation process.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	25,26
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	First Responder Trainers
Emergency Responder Levels	Technician/Specialist Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom
Gov/Contractor	Government

<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>Cost (Does not include billeting)</u></b>	No cost
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<b><u>POC</u></b>	Lowell Ezersky
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<b><u>Address</u></b>	Emergency Management Institute, 16825 S. Seton Avenue, Emmitsburg, MD 21727
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<b><u>Phone Number</u></b>	(301) 447-1355
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<b><u>Comments</u></b>	Delivered through EMI's State Training Offices at the local level.
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<b><u>Course Title</u></b>	<b>Fundamentals Course for Radiological Monitors</b>
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<b><u>Course Sponsor</u></b>	FEMA/Emergency Management Institute
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<b><u>Course Description</u></b>	This course is designed to qualify, as radiological monitors, emergency responders who may be the first to arrive on the scene of a radiological accident or who may serve in an emergency service role following a radiological emergency. The course is designed to provide initial responders with the capability to take immediate protective action and to obtain further assistance as necessary. The course provides "hands-on" experience with certain radiological instruments. Length: 8 hours
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<b><u>Course Objectives</u></b>	At the conclusion of the course, the participant will be able to: <ul style="list-style-type: none"><li>• Use, maintain, and accurately read radiation detection instruments.</li><li>• Identify and report radiation exposure rates and doses.</li><li>• Identify warning signs, labels, and placards which indicate radioactive materials may be present.</li><li>• Locate the presence of radioactive materials in order to prevent the spread of contamination.</li><li>• List basic biological effects of exposure to radiation.</li><li>• List basic protective actions used to limit exposure to radiation and procedures to prevent the spread of contamination.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	1, 2, 2b, 4-8, 12-15, 17, 17a, 18-23, 25, 26
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Firefighter/HAZMAT, Law Enforcement Public Works, First Responder Trainers
Emergency Responder Levels	Technician/Specialist Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, video, and practical exercise
Gov/Contractor	Both

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 30
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<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Within 30 days
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<b><u>Cost (Does not include billeting)</u></b>	The course is given at no charge to the individual or organization
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<b><u>POC</u></b>	Mr. Jose Cortes
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<b><u>Address</u></b>	Mount Weather Conference Center, 19844 Blue Ridge Mountain Road, Bluemont, VA 20135
<b><u>Phone Number</u></b>	(540) 542-2548

<b><u>Comments</u></b>	Course requires video cassette player for presentation. Does not address chemical or biological components.
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**Course Title****Fundamentals Course for Radiological Response Teams**

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**Course Sponsor**

FEMA/Emergency Management Institute

**Course Description**

This course is designed to qualify participants as radiological response team members by providing them with the knowledge and skills needed to support planning, emergency, and recovery activities in the event of a radiological incident. Length: 3.5 days

**Course Objectives**

- Classify the roles and responsibilities of each component of the Radiological Protection System (RPS).
- Explain the radiation characteristics of commonly shipped radionuclides and the radiation hazard involved.
- Specify the factors that will affect biological response to radiation and describe the risk in various types of radiation incidents.
- Use the table "Response of Radiation Monitoring Instruments to Normalized Risk Quantities of Radionuclides" and knowledge of radiological instruments to select and use radiological instruments for assessment of hypothetical radiation incidents.
- Use the Fallout Exposure Rate Prediction Tables to access the radiological hazards associated with a hypothetical nuclear detonation by terrorists.
- Given descriptions of the radiation hazards, develop strategies for exposure control, contamination control, and decontamination actions in hypothetical radiation incidents.
- Evaluate team effectiveness during practical radiological response exercise.

**NBC Areas of****Competency**

1, 2, 2b, 3-9, 11-26

**Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Firefighter/HAZMAT, Public Works, First Responder Trainers

Emergency Responder Levels

Technician/Specialist Level

**Type of Instruction**

Medium

Classroom, video, and practical exercise

Gov/Contractor

Both

**Recommended****Class Size**

Less than 30

**Course Location/****Facility Dependent**

No

**Course Availability**

Within 30 days

**Cost (Does not****include billeting)**

The course is given at no charge to the individual

**POC**

Mr. Jose Cortes

**Address**

Mount Weather Conference Center, 19844 Blue Ridge Mountain Road, Bluemont, VA 20135  
(540) 542-2548

**Phone Number****Comments**

Course requires a video cassette player for presentation. Does not address chemical or biological components.

<b><i>Course Title</i></b>	<b>Incident Command System/Emergency Operations Center (ICS/EOC) Interface</b>
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<b><u>Course Sponsor</u></b>	FEMA/Emergency Management Institute
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<b><u>Course Description</u></b>	The course is designed to enable participants to develop ICS/EOC interface implementation strategies or action plans for their communities. The course reviews the ICS and EOC models of emergency management operations, including coordination, communication, and chief executive decision making. It enhances knowledge and skills needed for clarifying roles, responsibilities, and relationships prior to disaster through small-group and large-group exercises. Length: 12 hours
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Describe the principles of the Incident Command System (ICS), including its purpose, key roles and responsibilities.</li><li>• Describe the principles of Emergency Operating Center (EOC), including its purpose, key roles and responsibilities.</li><li>• Using scenarios, analyze the ICS and EOC systems and list various interface issues.</li><li>• Apply ICS/EOC interface concepts in an exercise situation.</li><li>• Develop an ICS/EOC interface action plan for his or her community.</li></ul>
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Emergency Managers and Responders
Emergency Responder Levels	EMS Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, video, and practical exercise
Gov/Contractor	Government

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 50
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<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Within 30 days
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<b><u>POC</u></b>	Stephen Booth
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<b><u>Address</u></b>	Emergency Management Institute, 16825 S. Seton Ave., Emmitsburg, MD 21727
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<b><u>Phone Number</u></b>	(301) 447-1249
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<b><u>Comments</u></b>	This course is offered under EMI's non-resident instruction program.
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<b><u>Course Title</u></b>	<b>Incident Command System for Law Enforcement Agencies</b>
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<b><u>Course Sponsor</u></b>	FEMA/Emergency Management Institute
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<b><u>Course Description</u></b>	Identify elements of Incident Command System, concepts, principles, history and laws. Identify the responsibilities of the Incident Commander and his management techniques. Discussion of Division and Group functions and General Staff functions. Length: 13 hours
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Define Incident Command System.</li><li>• Identify and take appropriate actions during the stabilization phase of an incident.</li><li>• Establish a command post and staging area.</li><li>• Describe and apply Division and Group command structure elements.</li><li>• Describe purpose and responsibilities of Operations, Planning, Logistics, and Finance/Administration functions.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	1, 2, 2b, 4-8, 12-15, 17, 17a, 18-23, 25, 26
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<b><u>Target Audience</u></b>
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Military/Civilian/both	Civilian
Emergency Responder Group	Law Enforcement, First Responder Trainers
Emergency Responder Levels	EMS Level, Senior Management Level

<b><u>Type of Instruction</u></b>
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Medium	Classroom and practical exercise
Gov/Contractor	Government

<b><u>Recommended</u></b>
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<b><u>Class Size</u></b>	Less than 50
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<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Stephen Borth
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<b><u>Address</u></b>	Emergency Management Institute, 16825 S. Seton Ave., Emmitsburg, MD 21727
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<b><u>Phone Number</u></b>	(301) 447-1249
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<b><u>Comments</u></b>	This course is offered under EMI's non-resident instruction program.
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**Course Title**      **Incident Command System for Public Works**

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**Course Sponsor**      FEMA/Emergency Management Institute

**Course Description**      Identifies elements of Incident Command System, concepts, principles, history and laws.  
Identifies responsibilities of the Incident Commander and his management techniques.  
Discussion of Division and Group functions and General Staff functions. Length: 14 hours

**Course Objectives**

- Define Incident Command System.
- Identify and take appropriate actions during the stabilization phase of an incident.
- Establish a command post and staging area.
- Describe and apply Division and Group command structure elements.
- Describe purpose and responsibilities of Operations, Planning, Logistics, and Finance/Administration functions.

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Public Works
Emergency Responder Levels	EMS Level, Senior Management Level

**Type of Instruction**

Medium	Classroom, paper-based, video and practical exercise
Gov/Contractor	Government

**Recommended**

**Class Size**      Less than 50

**Course Location**

**Facility Dependent**      No

**Course Availability**      Immediately

**POC**      Stephen Borth

**Address**      Emergency Management Institute, 16825 S. Seton Avenue, Emmitsburg, MD 21727

**Phone Number**      (301) 447-1249

**Comments**      This course is offered under EMI's non-resident instruction program.

<b><i>Course Title</i></b>	<b>Integrated Emergency Management Course: Consequences of Terrorism</b>	
<b><u>Course Sponsor</u></b>	FEMA/Emergency Management Institute	
<b><u>Course Description</u></b>	The course focuses primarily on how local, State, and Federal agencies coordinate their response and recovery efforts relating to an act of terrorism. The course stresses the importance of coordination, communications, and cooperation of all political and response oriented entities, including State and Federal agencies. Length: 40 hours	
<b><u>Course Objectives</u></b>	a. Describe the Integrated Emergency Management System (IEMS). <ul style="list-style-type: none"> <li>• Describe the consequences of a terrorist act.</li> <li>• Describe the role of Federal, State and local governments in assisting communities that have been affected by an act of terrorism.</li> <li>• Describe the role of the media and public information.</li> <li>• Identify mass care issues.</li> <li>• Describe the capabilities, limitations, and needs of the following assets: law enforcement, fire service, emergency medical service, and public works.</li> <li>• Describe critical incident stress.</li> </ul>	
<b><u>NBC Areas of Competency</u></b>	1, 5, 6, 8a, 11, 16	
<b><u>Target Audience</u></b>		
Military/Civilian/both	Both	
Emergency Responder Group	Firefighter/HAZMAT, Law Enforcement, Emergency Services Technician (e.g., EMT, Paramedic, etc.)	
Emergency Responder Levels	Operations Level	
<b><u>Type of Instruction</u></b>		
Medium	Classroom, practical exercise, and video	
Gov/Contractor	Government	
<b><u>Recommended</u></b>		
<b><u>Class Size</u></b>	Less than 50	
<b><u>Course Location/ Facility Dependent</u></b>	No	
<b><u>Course Availability</u></b>	Within 30 days	
<b><u>Cost (Does not include billeting)</u></b>	The course is given at no charge to the individual or organization	
<b><u>POC</u></b>	Mr. Ray Chevalier	
<b><u>Address</u></b>	Emergency Management Institute, 16825 S. Seton Avenue, Emmitsburg, MD 21727	
<b><u>Phone Number</u></b>	(301) 447-1187	
<b><u>Comments</u></b>	Requires a video cassette player.	

**Course Title**      **Mass Fatalities Incident Course**

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**Course Sponsor**      FEMA/Emergency Management Institute

**Course Description**      This course prepares state and local personnel and other responsible agencies and professionals to handle mass fatalities effectively and to work with the survivors in an emergency or disaster. Length: 16.5 hours

**Course Objectives**      To prepare response personnel and other responsible professionals to handle a mass fatalities incident effectively by properly caring for the dead and the living - both responders and survivors.

**NBC Areas of Competency**      1, 2, 4, 6, 7, 8, 8a, 9, 12, 13, 14, 15, 17, 17a, 19, 20, 21, 22

**Target Audience**

Military/Civilian/both	Both
Emergency Responder Group	Firefighter/HAZMAT, Incident Commanders, Law Enforcement, First Responder Trainers
Emergency Responder Levels	Operations Level who must operationalize the ICS/EOC interface

**Type of Instruction**

Medium	Classroom, video and practical exercise
Gov/Contractor	Both

**Recommended**

**Class Size**      Less than 50

**Course Location/**

**Facility Dependent**      No

**Course Availability**      Within 30 days

**POC**      Sam Isenberger

**Address**      Emergency Management Institute, 16825 S. Seton Avenue, Emmitsburg, MD 21727

**Phone Number**      (301) 447-1071

**Comments**      This course is offered under EMI's non-resident instruction program. Does not cover the NBC portions of a Weapon of Mass Destruction.

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<b><u>Course Title</u></b>	<b>Radiological Emergency Response Operations (RERO)</b>
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<b><u>Course Sponsor</u></b>	FEMA/Emergency Management Institute
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<b><u>Course Description</u></b>	RERO is a course that provides a practical performance oriented approach to team response that accomplishes the five phases of the Radiological cleanup of radioactive material. Length: 5.5 days
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<b><u>Course Objectives</u></b>	At the conclusion of the course, the participant will be able to respond as a radiological team member to a variety of radiological accidents in five operational phases: <ul style="list-style-type: none"><li>• Initial communication.</li><li>• On-site communication.</li><li>• Initial response operations.</li><li>• Exclusion area operations.</li><li>• Termination of response operations.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	1-9, 11-26
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
Emergency Responder Group	All Emergency Service and Management Groups
Emergency Responder Levels	Federal, State, local and private sector

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, video and practical exercise
Gov/Contractor	Government

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	24
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<b><u>Course Location/ Facility Dependent</u></b>	Yes
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<b><u>Course Availability</u></b>	Within 30 days
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<b><u>Cost (Does not include billeting)</u></b>	No cost to participants
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<b><u>POC</u></b>	Mr. Jose Cortes
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<b><u>Address</u></b>	Mount Weather Conference Center, 19844 Blue Ridge Mountain Road, Bluemont, VA 20135
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<b><u>Phone Number</u></b>	(540) 542-2548
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<b><u>Comments</u></b>	Does not address chemical or biological components.
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**FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)  
(NATIONAL FIRE ACADEMY)**



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**Course Title**      **Advanced Life Support Response to Hazardous Materials Incidents**

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**Course Sponsor**      FEMA/National Fire Academy

**Course Description**      The course is directed to paramedics who are tasked with providing medical support at HAZMAT incidents. The course assumes that participants are trained to the "first responder-operations level" as defined by NFPA 472 and 29 CFR 1910.120. Length: 2 weeks

**Course Objectives**      Given a scenario on video and working in small groups, the participants will be able to identify the product, characterize the incident, and analyze response activities of the agency involved. Given a list of alternatives and working individually, the participants will:

- Select the correct definition of standard of care.
- Identify at least one influence on the hazardous standard of care.
- Identify the correct definitions for liability, negligence, gross negligence, and malfeasance.
- Select at least one key component of 29 CFR 1910.120 and 40 CFR 311.

**NBC Areas of Competency**      2, 3-7, 8, 9, 12-15, 17, 17a, 18-23, 26

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Emergency Medical Services (e.g., EMT, Paramedic, etc.)
Emergency Responder Levels	Operations Level, Technician/Specialist Level

**Type of Instruction**

Medium	Classroom, paper based, video and practical exercise
Gov/Contractor	Government

**Recommended**

**Class Size**      Less than 25

**Course Location/  
Facility Dependent**      No

**Course Availability**      Immediately

**Cost (Does not  
include billeting)**      The course is given at no charge to the individual or organization

**POC**      Mr. Jeff Dyar

**Address**      National Fire Academy, 16825 S. Seton Avenue, Emmittsburg, MD 21727

**Phone Number**      (301) 447-1333

**Prerequisites**      Attended Basic Life Support Response to Hazardous Materials Incidents.

**Comments**      Course requires video cassette player. Does not address nuclear or biological components. Does not address chemical or biological components of the Nuclear, Biological and Chemical Agents (NBC) of Weapons of Mass Destruction (WMD).

## **Course Title**      **Basic Life Support and Hazardous Materials Response**

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### **Course Sponsor**

FEMA/National Fire Academy

### **Course Description**

To assist the participant in understanding and complying with federal regulations and national recommendations concerning emergency medical response to hazardous materials incidents. Length: 16 hours

### **Course Objectives**

- Identify mechanisms of harm and injury from hazardous substances and self-protection.
- Describe the general principles of toxicology; respiratory, dermal, and systemic toxicology.
- Describe on-site medical surveillance.
- Describe decontamination during medical emergencies.
- Describe ingestion injuries.

### **NBC Areas of**

#### **Competency**

2, 4-8, 12,-14, 17, 17a, 19, 20, 22, 23

### **Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Emergency Medical Services (e.g., EMT, Paramedic, etc.)

Emergency Responder Levels

Operations Level, Technician/Specialist Level

### **Type of Instruction**

Medium

Classroom, paper based, video and practical exercise

Gov/Contractor

Government

### **Recommended**

#### **Class Size**

Less than 25

#### **Course Location/**

#### **Facility Dependent**

No

### **Course Availability**

Immediately

### **Cost (Does not**

#### **include billeting)**

No cost

### **POC**

Mr. Jeff Dyar

### **Address**

National Fire Academy, 16825 S. Seton Avenue, Emmitsburg, MD 21727

### **Phone Number**

(301) 447-1333

### **Comments**

Course requires a video cassette player for presentation.

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<b><u>Course Title</u></b>	<b>Chemistry of Hazardous Materials</b>
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<b><u>Course Sponsor</u></b>	FEMA/National Fire Academy
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<b><u>Course Description</u></b>	This course focuses on the basic knowledge required to evaluate the potential hazards and behaviors of materials considered being hazardous. Examines the reason for the chemical behavior of hazardous materials and is designed to improve decision making, safety operations, and handling. Length: 14 days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• The students will be able to describe and explain the basics of chemistry.</li><li>• The students will be able to describe and evaluate the results of fire onto given systems.</li><li>• The students will be able to apply the proper classification system to various hazardous materials.</li></ul>
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<b><u>NBC Areas of</u></b>	
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<b><u>Competency</u></b>	1, 14
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
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Emergency Responder Group	Firefighter/HAZMAT and First Responder
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Emergency Responder Levels	Technician/Specialist Level
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<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper based and practical exercise
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Gov/Contractor	Government
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<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 50
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>Cost (Does not</u></b>	
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<b><u>include billeting)</u></b>	No cost
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<b><u>POC</u></b>	Ms. Angela Weathers
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<b><u>Address</u></b>	National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727
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<b><u>Phone Number</u></b>	(301) 447-1411
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<b><u>Comments</u></b>	Does not specifically cover Nuclear/Biological and Chemical materials that might be used by a terrorist.
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<b><i>Course Title</i></b>	<b>Command and Control of Fire Department Operations at Target Hazards</b>
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<b><u>Course Sponsor</u></b>	FEMA/National Fire Academy
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<b><u>Course Description</u></b>	This course is designed to introduce command officers to the complexities involved in commanding incidents in high-risk areas. Students are confronted with a number of fire and rescue incidents that are influenced by high life hazard, multiple exposure, and unusual occupancy risk considerations. Length: 6 days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• The students will be able to perform a comprehensive size up, a recognition-primed decision making and Post Incident Analysis.</li><li>• The students will be able to utilize the Incident Command System and perform pre-incident planning.</li><li>• The students will be able to effectively utilize command staff and communication systems.</li><li>• The students will be able to properly use available resources and documentation.</li><li>• The students will be able to successfully mitigate various forms of liability.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	14, 16, 25, 26
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<b><u>Target Audience</u></b>	
Military/Civilian/both	Civilian
Emergency Responder Group	Incident Commanders and First Responders
Emergency Responder Levels	Senior Management

<b><u>Type of Instruction</u></b>	
Medium	Classroom, paper based, video and practical exercise
Gov/Contractor	Government

<b><u>Recommended Class Size</u></b>	Less than 50
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<b><u>Course Location/Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>Cost (Does not include billeting)</u></b>	No cost
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<b><u>POC</u></b>	Mr. Hugh Wood
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<b><u>Address</u></b>	National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727
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<b><u>Phone Number</u></b>	(301) 447-3087
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<b><u>Prerequisites</u></b>	Demonstrated experience in Incident Command and completion of a previous command
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<b><u>Comments</u></b>	A video cassette player for presentation is optional but not required for additional current topics. This course does not cover NBC type incidents.
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<b><i>Course Title</i></b>	<b>Command and Control of Operations at Natural and Man-made Disasters</b>
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<b><u>Course Sponsor</u></b>	FEMA/National Fire Academy
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<b><u>Course Description</u></b>	This course addresses fire and rescue department operations at natural and man-made disasters that may require interagency or inter-jurisdictional coordination. Earthquakes, hurricanes, blizzards, civil disturbances, terrorism, hazardous materials releases, tornadoes, and floods are some of the topics covered. Length: 14 Days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• The students will be able to identify and analyze various hazards.</li><li>• By using the EOC scope, students will be able to set up evacuation routes, shelter systems, proper communication lines, resource management, and logistics systems.</li><li>• The students will be able to properly execute the recovery phase of an incident.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	1, 2, 2b, 3, 4, 5, 8, 8a, 11, 16, 21, 25, 26
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Incident Commanders and First Responder Trainers
Emergency Responder Levels	Senior Management

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper based and practical exercise
Gov/Contractor	Government

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 50
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<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>Cost (Does not include billeting)</u></b>	No cost
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<b><u>POC</u></b>	Mr. Hugh Wood
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<b><u>Address</u></b>	National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727
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<b><u>Phone Number</u></b>	(301) 447-1087
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<b><u>Prerequisites</u></b>	Demonstrated experience in Incident Command.
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<b><u>Comments</u></b>	Does not specifically cover the use of NBC type materials as a Weapon of Mass Destruction (WMD).
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## **Course Title**      **Emergency Response to Terrorism: Basic Concepts**

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### **Course Sponsor**

FEMA/National Fire Academy

### **Course Description**

To prepare first responders for terrorist incidents dealing primarily with life safety and self preservation within the areas of biological, nuclear, incendiary, chemical, and explosive attacks. This focus includes information on detection and monitoring for the above mentioned topics. Length: 16 hours

### **Course Objectives**

- The student will be able to recognize circumstances that indicate a potential terrorist act.
- The student will be able to define the implementation of appropriate self protective measures.
- The student will be able to define scene control issues involving isolation, evacuation, and perimeter control associated with terrorist incidents.
- The student will be able to recognize, define, and recommend tactical objectives for biological, nuclear, incendiary, chemical and explosive (B-NICE) incidents.
- The student will be able to describe command and control issues associated with responder operations at a crime scene.

### **NBC Areas of**

#### **Competency**

1, 2, 2b, 3-5, 7, 8, 8a, 9, 10, 11, 12, 14, 15

### **Target Audience**

Military/Civilian/both

Both

Emergency Responder Group

Firefighter/HAZMAT Emergency Medical Services (e.g. EMT, Paramedic, etc.) and Law Enforcement

Emergency Responder Levels

Operations Level

### **Type of Instruction**

Medium

Classroom, paper based and video

Gov/Contractor

Both

### **Recommended**

#### **Class Size**

Less than 50

### **Course Location/**

#### **Facility Dependent**

No

### **Course Availability**

Immediately

### **Cost (Does not**

#### **include billeting)**

The course is given at no charge to the individual or organization

### **POC**

Mr. Jeff Dyar

### **Address**

National Fire Academy, 16825 S. Seton Avenue, Emmittsburg, MD 21727

### **Phone Number**

(301) 447-1333

### **Comments**

A video cassette player for presentation is optional but not required for additional current hazards as well.

## **Course Title**      **Emergency Response to Terrorism: Incident Management**

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### **Course Sponsor**

FEMA/National Fire Academy

### **Course Description**

This course is designed for Incident Commanders who would be responsible for managing terrorism incidents. It has a heavy planning emphasis and includes recognizing cues that a terrorist incident is in progress. Length: 6 days

### **Course Objectives**

- The student will be able to define and recognize terrorist incidents with respect to command issues.
- The student will be able to plan and operate a terrorist incident with respect to operations, evidence issues, scene control, and hazardous materials/EMS responses.
- The student will be able to implement the recovery and termination phases effectively.
- The student will be able to relate full incident commander responsibilities to international and national terrorism incidents.

### **NBC Areas of**

#### **Competency**

1, 2, 2b, 3, 4, 5, 7, 8, 8a, 10, 10a, 11, 12, 14, 15, 16, 21, 25, 26

### **Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Incident Commanders and First Responder Trainers

Emergency Responder Levels

Senior Management Level

### **Type of Instruction**

Medium

Classroom, paper based, practical exercise and video

Gov/Contractor

Government

### **Recommended**

#### **Class Size**

Less than 50

### **Course Location/**

#### **Facility Dependent**

No

### **Cost (Does not include billeting)**

No cost

### **POC**

Mr. Jeff Dyar

### **Address**

National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727

### **Phone Number**

(301) 447-1333

### **Comments**

A video cassette player for presentation is required for additional current topics.

## **Course Title**      **Emergency Response to Terrorism: Self-Study**

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### **Course Sponsor**

FEMA/National Fire Academy

### **Course Description**

This home study course is designed as a self-study, self paced document and is designed to provide the basic awareness training to prepare first responders to safely and effectively respond to incidents of terrorism. Length: 4 hours

### **Course Objectives**

- The student will be able to recognize circumstances that indicate a potential terrorist act.
- The student will be able to recognize and define indicators from five general agents.
- The student will be able to define implementation of appropriate self-protective measures.
- The student will be able to list and explain the need and processes traditionally associated with responding to an emergency.
- The student will be able to recognize and relate the various roles as stated within the Federal Response Plan, EOPs, PDD-39, and the Stafford Act.

### **NBC Areas of**

#### **Competency**

1, 2, 2b, 3, 4, 5, 6, 7, 8, 8a, 10, 11, 16

### **Target Audience**

Military/Civilian/both

Both

Emergency Responder Group

Firefighter/HAZMAT, Law Enforcement

Emergency Responder Levels

Awareness Level

### **Type of Instruction**

Medium

Paper-based, Internet, practical exercise and video

Gov/Contractor

Government

### **Recommended**

#### **Class Size**

Less than 10

#### **Course Location/**

#### **Facility Dependent**

No

### **Course Availability**

Immediately

### **Cost (Does not**

#### **include billeting)**

No cost

### **POC**

USFA Publication Office

### **Address**

16825 South Seton Avenue, Emmitsburg, MD 21727

### **Phone Number**

(301) 447-1660



<b><i>Course Title</i></b>	<b>Emergency Response to Terrorism: Tactical Considerations-Company Officer</b>
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<b><u>Course Sponsor</u></b>	FEMA/National Fire Academy
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<b><u>Course Description</u></b>	This course is designed to build upon the existing knowledge and skills of the first responding supervisor from the <i>Emergency Response to Terrorism: Basic Concepts</i> course or <i>Emergency Response to Terrorism: Self-Study guide</i> . The students will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self-protection actions. This course will be offered through the State Weekend Program and the Direct Delivery Program. Length: 16 hours
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<b><u>Course Objectives</u></b>	To provide first-on-the-scene supervisors with the necessary knowledge and skills to initially establish command of terrorism events.
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	TBD
Emergency Responder Group	Firefighter/HAZMAT, Emergency Medical Services, First on the scene officer
Emergency Responder Levels	Operations, Technician/Specialist

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper-based and other media to be determined
Gov/Contractor	Government

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	30
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<b><u>Course Location/ Facility Dependent</u></b>	No
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<b><u>Cost (Does not include billeting)</u></b>	No cost
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<b><u>POC</u></b>	John Turley
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<b><u>Address</u></b>	National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727
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<b><u>Phone Number</u></b>	(301) 447-1333
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<b><u>Prerequisites</u></b>	Must have a working knowledge of the Incident Command System (ICS). Students will not be taught ICS but will be expected to use the ICS during class activities.
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<b><u>Comments:</u></b>	The course will be available through State Fire Training Systems January 1, 2000.
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<b><i>Course Title</i></b>	<b>Emergency Response to Terrorism: Tactical Considerations-Emergency Medical Services</b>
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<b><u>Course Sponsor</u></b>	FEMA/National Fire Academy
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<b><u>Course Description</u></b>	This course is designed for first-on-the-scene responding EMS personnel who have the responsibility to render patient care to victims of terrorist incidents. The students will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self-protection actions. They will also apply their knowledge about responding to a terrorism event, provide patient care, identify and preserve evidence, manage site safety, document the event, and debrief personnel. This course will be offered through the State Weekend Program and the Direct Delivery Program. Length: 16 hours
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<b><u>Course Objectives</u></b>	To provide first-on-the-scene emergency medical services personnel with the necessary knowledge and skills for response to terrorist incidents.
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
Emergency Responder Group	Firefighter, Emergency Medical Services, allied health personnel, and industrial contractors.
Emergency Responder Levels	Operations, Technician/Specialist

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper-based and other media to be determined
Gov/Contractor	Government

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	30
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	No
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<b><u>Cost (Does not</u></b>	
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<b><u>include billeting)</u></b>	No cost
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<b><u>POC</u></b>	John Turley
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<b><u>Address</u></b>	National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727
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<b><u>Phone Number</u></b>	(301) 447-1333
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<b><u>Comments:</u></b>	The course will be available through State Fire Training Systems January 1, 2000. The medical protocols for rendering patient care is at the Basic Life Support (BLS) level.
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<b><i>Course Title</i></b>	<b>Emergency Response to Terrorism: Tactical Considerations-Hazardous Materials</b>
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<b><u>Course Sponsor</u></b>	FEMA/National Fire Academy
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<b><u>Course Description</u></b>	This course is designed for first-on-the-scene responding hazardous materials technician or persons who have the responsibility of developing initial hazardous materials tactical considerations. The students will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self-protection actions. They will also apply their knowledge about responding to a terrorism event, provide patient care, identify and preserve evidence, manage site safety, document the event, and debrief personnel. The course will be offered through the State Weekend Program and the Direct Delivery Program. Length: 16 hours
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<b><u>Course Objectives</u></b>	To provide first-on-the-scene hazardous materials technician level response personnel with the necessary knowledge and skills for response to terrorist incidents.
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Both
Emergency Responder Group	Hazardous Materials Technician
Emergency Responder Levels	Technician/Specialist

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, paper-based and other media to be determined
Gov/Contractor	Government

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	30
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	No
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<b><u>Cost (Does not include billeting)</u></b>	
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No cost
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<b><u>POC</u></b>	
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John Turley
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<b><u>Address</u></b>	
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National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727
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<b><u>Phone Number</u></b>	
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(301) 447-1333
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<b><u>Comments:</u></b>	
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The course will be available through State Fire Training Systems January 1, 2000.
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## **Course Title**      **Hazardous Materials Incident Management**

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### **Course Sponsor**

FEMA/National Fire Academy

### **Course Description**

This course focuses on the duties and responsibilities of the emergency response personnel who will assume the Incident Commander role in hazardous materials emergencies above the initial response. Based on the current requirements of Title 29 of the Code of Federal Regulations Section 1910.120 (29 CFR 1910.120) and the applicable national standard, the program follows three phases of an incident: preplanning, incident operations, and post-incident responsibilities. Length: 6 days

### **Course Objectives**

- The student will be able to successfully pre-plan for a hazardous materials incident or disaster with respect to liability issues.
- The student will be able to evaluate the various plans and the enactment of those plans for a possible hazardous materials incident or disaster.
- The student will be able to successfully manage a simulated hazardous materials incident or disaster by using proper processes and plans.
- The student will be able to successfully describe and justify the steps in various phases and plans within a hazardous materials incident or disaster.

### **NBC Areas of**

#### **Competency**

3, 8, 25, 26

### **Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Incident Commanders and First Responder Trainers

Emergency Responder Levels

Senior Management Level

### **Type of Instruction**

Medium

Classroom, paper-based and practical exercise

Gov/Contractor

Government

### **Recommended**

#### **Class Size**

Less than 50

### **Course Location/**

#### **Facility Dependent**

No

### **Course Availability**

Immediately

### **Cost (Does not**

#### **include billeting)**

No cost

### **POC**

Ms. Angela Weathers

### **Address**

National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727

### **Phone Number**

(301) 447-1411

### **Prerequisites**

Applicants must be certified by their departments as operations level personnel acting at the Incident Command Level per 29 CFR 1910.120. Emergency management personnel must be certified by their jurisdiction as part of the BOC staff.

## **Course Title**      **Hazardous Materials Operating Site Practices**

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### **Course Sponsor**

FEMA/National Fire Academy

### **Course Description**

This course focuses on the strategies and safe procedures for alleviating the danger at a hazardous materials incident. It concentrates on integrating knowledge about hazardous materials chemistry, storage, transportation, and potential release scenarios about local hazardous materials incident plans and response systems. Length: 14 days

### **Course Objectives**

- The students will be able to identify and list the major Federal laws, regulations, and standards associated with hazardous materials response.
- Given scenario description, the students will be able to complete all portions of a product data resource information sheet using multiple resource/reference materials.
- The students will be able to define and explain incident estimate, incident analysis, incident assessment, spill typing, and release types.
- The students will be able to determine strategic goals, methods, and priorities.
- The students will be able to choose the proper tactical options for various hazardous materials incidents or disasters.

### **NBC Areas of**

#### **Competency**

3, 4, 5, 11, 14, 25, 26

### **Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Firefighter/HAZMAT, Incident Commanders and First Responder Trainers

Emergency Responder Levels

Technician/Specialist Level

### **Type of Instruction**

Medium

Classroom, paper-based and practical exercise

Gov/Contractor

Government

### **Recommended**

#### **Class Size**

Less than 50

### **Course Location/**

#### **Facility Dependent**

No

### **Course Availability**

Immediately

### **(Does not include**

#### **billeting)**

No cost

### **POC**

Ms. Angela Weathers

### **Address**

National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727

### **Phone Number**

(301) 447-1411

### **Comments**

NFA Chemistry of Hazardous Materials or documented equivalent training is recommended but not required.

## **Course Title**      **Incident Command System for Emergency Medical Services**

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### **Course Sponsor**

FEMA/National Fire Academy

### **Course Description**

In this course, students will be introduced to the concepts of EMS, specifically, Incident Command, through lecture and guided discussion. Then they will use scenarios, case studies, graphics, audiovisuals, and role-play to demonstrate understanding of the concepts. Length: 16 hours

### **Course Objectives**

- The students will be able to identify and analyze various hazards.
- By using the EOC scope, students will be to set up evacuation routes, shelter systems, proper communication lines, resource management, and logistics systems.
- The students will be able to properly execute the recovery phase of an incident.

### **NBC Areas of Competency**

8a, 16

### **Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Emergency Medical Services (e.g., EMT, Paramedic, etc.) and First Responder Trainers

Emergency Responder Levels

EMS Level

### **Type of Instruction**

Medium

Classroom, paper-based, video and practical exercise

Gov/Contractor

Government

### **Recommended**

#### **Class Size**

Less than 50

#### **Course Location/**

#### **Facility Dependent**

No

### **Course Availability**

Immediately

### **Cost (Does not**

#### **include billeting)**

No cost

### **POC**

Mr. Jeff Dyar

### **Address**

National Fire Academy, 16825 South Seton Avenue, Emmitsburg, MD 21727

### **Phone Number**

(301) 447-1087

### **Prerequisites**

Demonstrated experience in Incident Command.



**ENVIRONMENTAL PROTECTION AGENCY (EPA)**

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<b><u>Course Title</u></b>	<b>Air Monitoring for Hazardous Materials (165.4)</b>
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<b><u>Course Sponsor</u></b>	U.S. EPA
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<b><u>Course Description</u></b>	This course instructs participants in the practices and procedures for monitoring and sampling airborne hazardous materials. It is designed for personnel who evaluate releases of airborne hazardous materials at hazardous waste sites or accidental hazardous material releases. Evaluation of worker exposure to these releases is emphasized. Length: 5 days
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Topics that are discussed include air monitoring and sampling programs, air monitoring and sampling techniques, air monitoring and sampling equipment, instrument calibration, exposure guidelines, air dispersion modeling, and health and safety considerations. The course includes operating procedures for specific air monitoring and sampling equipment, as well as strategies for air monitoring and sampling at abandoned hazardous waste sites and for accidental releases of hazardous chemicals. Instructional methods used are lectures, class problem-solving sessions, laboratory and field exercises with hands-on use of instruments.

<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Demonstrate the proper use of the following air monitoring and sampling equipment:<ul style="list-style-type: none"><li>- Oxygen monitors</li><li>- Toxic gas monitors</li><li>- Flame ionization detectors</li><li>- Sampling pumps and collection media</li><li>- Direct-reading aerosol monitors</li></ul></li><li>• Identify the operational parameters, limitations, and data interpretation requirements for the instruments listed above.</li><li>• Identify the factors to be considered in the development of air monitoring and sampling plans.</li><li>• Discuss the use of air monitoring data for the establishment of personnel and operations health and safety requirements.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	18
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Hazardous Waste Site Workers, Environmental Response Personnel
Emergency Responder Levels	Technician/Specialist Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom, practical exercise, and group
Gov/Contractor	Contractor

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 30
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Bruce Potoka
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<u><i>Address</i></u>	Environmental Response Training Program, U.S. EPA, 26 W. Martin Luther King Drive (B-3), Cincinnati, OH 45368
<u><i>Phone Number</i></u>	(513) 569-7537
<u><i>Prerequisites</i></u>	40 hours HAZWOPER training
<u><i>Comments</i></u>	For Federal, State and local employees.

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<b><u>Course Title</u></b>	<b>Designs for Air Impact Assessments at Hazardous Waste Sites</b>
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<b><u>Course Sponsor</u></b>	U.S. EPA
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<b><u>Course Description</u></b>	This course is intended for management-level site personnel and U.S. EPA work-plan and air review staff who are responsible for assessing and coordinating air sampling, air monitoring, and air modeling strategies as a basis for evaluating risk to onsite and offsite receptors. Instructional methods include lecture, case studies, group discussions, and demonstrations. Length: 5 days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Evaluate air monitoring, air sampling, and air modeling data to develop an air impact assessment.</li><li>• Define the objectives of the air assessment.</li><li>• Develop and implement work plans for hazardous waste sites.</li><li>• Implement appropriate quality assurance and quality control when developing an air impact assessment.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	14, 18, 25
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Waste Site Workers
Emergency Responder Levels	Technician/Specialist Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom and practical exercise
Gov/Contractor	Contractor

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 30
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	No, but requires large classroom or facility
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Bruce Potoka
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<b><u>Address</u></b>	Environmental Response Training Program, U.S. EPA, 26 W. Martin Luther King Drive (B-3), Cincinnati, OH 45368
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<b><u>Phone Number</u></b>	(513) 569-7537
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<b><u>Comments</u></b>	For Federal, State, and local government employees.
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<b><u>Course Title</u></b>	<b>Emergency Response to Hazardous Material Incidents</b>
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<b><u>Course Sponsor</u></b>	U.S. EPA
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<b><u>Course Description</u></b>	This course provides emergency response personnel, primarily firefighters, police officers, and emergency medical services personnel, with the information and skills needed to recognize, evaluate and control an incident involving the release, or potential release of hazardous materials. It is intended for members of hazardous materials response teams. The focus of the course is on recognizing and evaluating a hazardous materials incident, organizing the response team, protecting refining decision-making skills, and protecting the public. Topics that are discussed include chemical and physical properties of hazardous materials, toxicology, procedures, personnel protection and safety, and sources of information. Instructional methods used are lectures, class problem-solving sessions, and field exercises. Emphasis is on the hands-on use of equipment to apply lecture information in a practical manner. Length: 5 days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Select and use the appropriate personnel protective equipment for responding to an incident involving hazardous materials.</li><li>• Develop and implement procedures for the effective decontamination of emergency response personnel.</li><li>• Utilize air monitoring instruments to evaluate the hazards present at a hazardous materials incident.</li><li>• Utilize the Incident Command System to effectively manage an incident involving the release of hazardous materials.</li><li>• Utilize size-up techniques to develop strategies and select the appropriate tactics for mitigating a hazardous materials incident.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	7, 8, 9, 12, 16, 17, 25
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
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Emergency Responder Group	Firefighters/HAZMAT, Emergency Medical Service and Law Enforcement
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Emergency Responder Levels	Technician/Specialist Level
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<b><u>Type of Instruction</u></b>	
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Medium	Classroom and practical exercise
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Gov/Contractor	Contractor
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<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 30
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<b><u>Course Location/</u></b>	
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<b><u>Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Bruce Potoka
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<b><u>Address</u></b>	Environmental Response Training Program, U.S. EPA, 26 W. Martin Luther King Drive (B-3), Cincinnati, OH 45368
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<b><u>Phone Number</u></b>	(513) 569-7537
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## **Course Title**      **Hazardous Material Incident Response Operations (165.5)**

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### **Course Sponsor**

EPA (Environmental Response Team)

### **Course Description**

A course designed for personnel involved with the investigation and remediation of uncontrolled hazardous waste sites. It provides the basic information needed to meet the training requirements of 29 CFR 1910.120 (Hazardous Waste Operations and Emergency Response) for hazardous waste site workers. Length: 5 days

### **Course Objectives**

- Identify methods and procedures for recognizing, evaluating and controlling hazardous substances.
- Identify concepts, principles, and guidelines to protect site or response personnel.
- Discuss regulations and action levels to ensure health and safety of workers.
- Discuss fundamentals needed to develop organizational structure and SOPs.
- Select and use dermal and respiratory equipment.
- Demonstrate the use, calibration, and limitations of direct-reading air monitoring equipment.

### **NBC Areas of Competency**

7, 9, 12, 18, 25

### **Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Other (HAZMAT Waste Site Workers)

Emergency Responder Levels

Technician/Specialist Level

### **Type of Instruction**

Medium

Classroom, practical exercise, and other

Gov/Contractor

Both

### **Course Location/**

#### **Facility Dependent**

No

### **POC**

Mr. Bruce Potoka

### **Address**

Environmental Response Training Program, U.S. EPA, 26 W. Martin Luther King Drive (B-3), Cincinnati, OH 45368

### **Phone Number**

(513) 569-7537

### **Comments**

Participants will wear fully encapsulating suits and chemical splash gear. Individuals not in a medical surveillance program should consult a physician prior to attending this course.

**Course Title**      **Health and Safety Plan Workshop (165.12)**

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**Course Sponsor**      U.S. EPA

**Course Description**      This course provides participants with guidance in using the U.S. EPA's Health and Safety Plan (HASP) software to develop site-specific health and safety plans in compliance with 29 CFR 1910.120 and 40 CFR 311. Topics discussed include an overview OSHA and EPA Hazardous Waste Operations and Emergency Response (HAZWOPER) standard and the requirements of a health and safety plan; HASP development, system requirements and installation; creating and consulting site files; accessing data from EPA's Environmental Response Team's (EPA-ERT) Bulletin Board System; and creating, editing, and auditing a site-specific health and safety plan. The course is intended for personnel responsible for developing site-specific health and safety plans at uncontrolled hazardous waste sites and for extended emergency operations. Length: 1 day

**Course Objectives**      After completing the course, participants will be able to generate a Health and Safety Plan using the HASP software package developed by EPA's Environmental Response Team.

**NBC Areas of Competency**      25

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Health and Safety Planners
Emergency Responder Levels	Senior Management Level

**Type of Instruction**

Medium	Classroom and practical exercise
Gov/Contractor	Contractor

**Course Location/  
Facility Dependent**

No

**POC**      Bruce Potoka

**Address**      Environmental Response Training Program, U.S. Environmental Protection Agency, 26 W. Martin Luther King Drive (B-3), Cincinnati, OH 45368  
(513) 569-7537

**Phone Number**      (513) 569-7537

**Comments**      This course delivered through EPA's regional Superfund training contacts and at the U.S. EPA Training Centers in Cincinnati, OH and Edison, NJ.

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<b><u>Course Title</u></b>	<b>Incident Command/Unified Command for On-Scene Coordinator</b>
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<b><u>Course Sponsor</u></b>	U.S. EPA
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<b><u>Course Description</u></b>	This course provides participants with an overview of the NIIMS Incident Command System. Special emphasis is placed on the development and use of Unified Command by On-Scene Coordinators (OSC's) during emergency response activities. The course is designed to help federal agencies comply with 40 CFR 300.105 and paragraph q of 29 CFR 1910. Length: 1 day
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<b><u>Course Objectives</u></b>	After completing this course, participants will be able to: <ul style="list-style-type: none"><li>• Explain the need for the use of an ICS during an emergency response.</li><li>• Describe the basic concepts of ICS and Unified Command.</li><li>• Develop a Unified Command structure, pursuant to 40 CFR 300.105.</li><li>• Demonstrate the use of the concept of Area Command during an emergency response.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	11, 16
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<b><u>Target Audience</u></b>
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Military/Civilian/both	Civilian
Emergency Responder Group	Incident Commanders
Emergency Responder Levels	Operations Level

<b><u>Type of Instruction</u></b>
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Medium	Classroom and practical exercise
Gov/Contractor	Contractor

<b><u>Recommended</u></b>
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<b><u>Class Size</u></b>	Less than 30
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<b><u>Course Availability</u></b>	Within 30 days
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<b><u>Cost (Does not include billeting)</u></b>	\$0 (for employees of federal, state, or local government)
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<b><u>POC</u></b>	Mr. Bruce Potoka
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<b><u>Address</u></b>	Environmental Response Training Program, U.S. EPA, 26 W. Martin Luther King Drive (B-3), Cincinnati, OH 45368
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<b><u>Phone Number</u></b>	(513) 569-7537
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<b><u>Comments</u></b>	Course should be available in summer, 1998.
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<b><u>Course Title</u></b>	<b>Radiation Safety at Superfund Sites</b>
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<b><u>Course Sponsor</u></b>	U.S. EPA
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<b><u>Course Description</u></b>	This course is designed for individuals who may 1) encounter radioactive materials in the course of their work, or 2) become involved with the regulatory oversight of a location contaminated with radioactive materials. The course provides participants with an understanding of the fundamental principles of radiation safety, with emphasis placed on radiation detection instrumentation and contamination control work practices. Length: 5 days
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<b><u>Course Objectives</u></b>	<ul style="list-style-type: none"><li>• Detect the presence of radioactive materials while performing investigations at hazardous waste sites.</li><li>• Implement methods of radiation exposure reduction and contamination control under the guidance of health physics personnel.</li><li>• Identify regulations concerning area posting, exposure limits and reporting, transportation requirements, and release limits.</li><li>• Propose options for remediation and disposal of radioactive materials.</li></ul>
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<b><u>NBC Areas of Competency</u></b>	18
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<b><u>Target Audience</u></b>	
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Military/Civilian/both	Civilian
Emergency Responder Group	Waste Site Workers
Emergency Responder Levels	Technician/Specialist Level

<b><u>Type of Instruction</u></b>	
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Medium	Classroom and practical exercise
Gov/Contractor	Contractor

<b><u>Recommended</u></b>	
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<b><u>Class Size</u></b>	Less than 30
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<b><u>Course Location/</u></b>	
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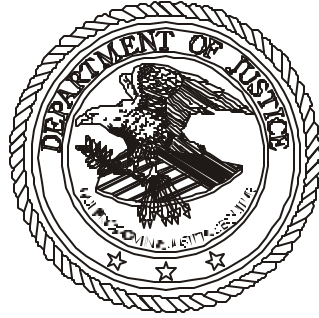
<b><u>Facility Dependent</u></b>	No
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<b><u>Course Availability</u></b>	Immediately
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<b><u>POC</u></b>	Mr. Bruce Potoka
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<b><u>Address</u></b>	Environmental Response Training Program, U.S. EPA, 26 W. Martin Luther King Drive (B-3), Cincinnati, OH 45368
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<b><u>Phone Number</u></b>	(513) 569-7537
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**DEPARTMENT OF JUSTICE (DOJ)/  
OFFICE OF JUSTICE PROGRAMS (OJP)**



## **Course Title**      **Emergency Response to Terrorism: Basic Concepts**

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### **Course Sponsor**

Office of Justice Programs, U.S. Department of Justice

### **Course Description**

This program was developed by the National Fire Academy for OJP and is designed to prepare first responders for terrorist incidents dealing primarily with life safety and self preservation with an all hazard focus including biological, nuclear, incendiary, chemical and other explosive devices (B-NICE). This focus includes information on detection and monitoring for the above mentioned topics. Length: 16 hours

### **Course Objectives**

- The student will be able to recognize circumstances that indicate a potential terrorist act.
- The student will be able to define the implementation of appropriate self-protective measures.
- The student will be able to define scene control issues involving isolation, evacuation, and perimeter control associated with terrorist incidents.
- The student will be able to recognize, define, and recommend tactical objectives for B-NICE incidents.
- The student will be able to describe the command and control issues associated with the responder operations at a crime scene.

### **NBC Areas of**

#### **Competency**

1, 2, 2b, 3-5, 8, 8a, 9, 10, 11, 12, 14, 15, 29

### **Target Audience**

Military/Civilian/both

Civilian

Emergency Responder Group

Firefighter/Hazmat Emergency Medical Service (e.g. EMT, Paramedic, etc),  
Law enforcement encouraged to attend—coordinate with local Fire Chief

Emergency Responder Levels

Operations Level

### **Type of Instruction**

Medium

Classroom, paper based and video

Gov/Contractor

Fire service training practitioners serve as faculty

### **Recommended**

#### **Class Size**

Less than 50

### **Course Location/**

#### **Facility Dependent**

No

### **Course Availability**

Immediately, targeting the 120 largest urban jurisdictions in Nation.

### **Cost**

No cost to participating jurisdiction; instruction provided on-site by certified trainers from the participating jurisdiction or from OJP-provided certified trainers.

### **POC**

Allen Cole

### **Address**

Community Research Associates, 311 Plus Park Boulevard, Suite 100 Nashville, TN 37217

### **Phone Number**

(615) 399-9908

### **Comments**

The delivery of this program is coordinated with Fire Chief in the target jurisdiction for scheduling and attendance. Community Research Associates is the coordinating contractor for OJP and coordinates the provision of training materials, training facilities if required and all other elements of support for this effort.

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***Course Title***      **Law Enforcement Response to Weapons of Mass Destruction Incidents**

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***Course Sponsor***      Office of Justice Programs, U.S. Department of Justice LSU Academy of Counter-Terrorist Education

***Course Description***      This course will assist emergency responders in deterring, preventing, preparing for and responding to a terrorist attack in the United States, involving conventional or non-conventional weapons of mass destruction (WMD), depending on the establishment and maintenance of a robust crisis and consequence management infrastructure. Emergency responders, who arrive first on the scene, must be adequately trained, equipped and exercised to ensure they have the ability to effectively respond and conduct relief and recovery operations as part of an interagency team. The course goal is to prepare representatives of Federal, state and local law enforcement agencies to perform safely and effectively during incidents involving WMD.

- Course Objectives***
1. Differentiate weapons of mass destruction incidents from other terrorist and criminal incidents.
  2. Summarize how course materials can be applied to meet WMD performance requirements of law enforcement agencies and individual officers.
  3. Describe how participant performance will be evaluated and how that performance will determine participant outcomes (Certificate or Training or Letter of Attendance).
  4. Define the following terms : terrorism, domestic terrorism, right-wing terrorism, left-wing terrorism, special interest terrorism, international terrorism, and state sponsors of terrorism.
  5. Differentiate terrorist acts from other forms of criminal activity.
  6. Compare and contrast the terms terrorist incident, suspected terrorist incident and terrorism prevention.
  7. Describe potential scenarios for terrorist attacks in communities within the U.S. including:
    - a. Organizations with the demonstrated and/or potential capability to conduct terrorist attacks
    - b. Motivations, objectives, capabilities and likely tactics of such organizations
    - c. Potential targets for such organizations
  8. Describe the roles and responsibilities of local, state and federal government agencies in responding to WMD incidents.
  9. Differentiate laws, regulations, directives and standards.
  10. Describe the structure and functions of an "Incident Command System" (ICS) and how law enforcement agencies operate within an ICS.
  11. List and describe the five types of WMD materials that could be employed by terrorists (using the "B-NICE" acronym).
  12. Differentiate the five types of WMD materials based on destructive potential; ease of fabrication, manufacture or acquisition; ease of delivery (detonation and/or dispersion); and likelihood of use by domestic and international terrorists operating in the U.S.
  13. Describe routes of entry for common WMD materials.
  14. Describe the advantages and disadvantages for each type of WMD material.
  15. Describe the characteristics of and potential scenarios for the use of each type of WMD material in terrorist attacks.
  16. Define WMD incident priorities relative to protection of persons, environment and property.
  17. Describe measures that provide the greatest protection of life during a WMD incident.

18. Describe decontamination techniques and identify situations appropriate for each technique.
19. Describe “levels of protection” and protective clothing and equipment that could be available to emergency responders in a WMD incident.
20. Describe the role of critical incident stress management in supporting WMD incident responders.
21. List and describe the five phases associated with law enforcement response to WMD incidents.
22. Describe law enforcement roles and responsibilities during the following phases of a WMD incident:
  - a. Prevention and Deterrence
  - b. Notification
  - c. Response
  - d. Recovery
  - e. Restoration
23. Describe procedures that law enforcement personnel can employ to meet their responsibilities during each phase of a WMD incident.
24. Analyze potential WMD incidents to determine appropriate actions for first responding law enforcement personnel.

**NBC Areas of Competency**

1, 2, 2a, 2b, 3-8, 8a, 9, 10, 10a, 11-13, 15-17

**Target Audience**

This course is designed principally for “trainers” in federal, state and local law enforcement agencies. In most cases, trainers include mid-level supervisors and officers who are assigned training responsibilities as their principal duty (e.g. Police Academy staff members, district or station training officers, etc.). In addition, the course will be offered as a direct delivery to law enforcement agencies.

Military/Civilian/both	Civilian
Emergency Responder Group	Federal Agent, trooper, street cop and deputy
Emergency Responder Levels	Awareness Level

**Type of Instruction**

Medium	Classroom, CD-ROM, slides, video tape, student/instructor manuals, and practical exercise
Gov/Contractor	Louisiana State University, Academy of Counter-Terrorist Education

**Recommended**

**Class Size** 30

**Course Location/**

**Facility Dependent** Yes. This course is being delivered at state police academies and/or with state sheriffs’ associations in all 50 states.

**Course Availability**

This course is available to law enforcement agencies upon request.

**Cost**

No cost to participating jurisdiction. Federally funded for state and local law enforcement agencies (covers tuition and course materials).

**POC**

Stephen Guillot, Jr.

**Address**

LSU Academy of Counter-Terrorist Education, 334 Pleasant Hall, Baton Rouge, LA 70803

**Phone Number**

(225) 388-1790

**Fax Number**

(225) 334-1642

**E-mail**

[sguillot@doce.lsu.edu](mailto:sguillot@doce.lsu.edu)

*Comments*

This course meets or exceeds applicable national standards and regulations.



**DEPARTMENT OF JUSTICE (DOJ)/  
FEDERAL BUREAU OF INVESTIGATION (FBI)**

## **Course Title**      **Basic Course for Bomb Technicians**

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**Course Sponsor**      Department of Justice, FBI, Bomb Data Center, Hazardous Devices School

**Course Description**      The course is the basic, certification level training program for civilian bomb technicians. The prerequisite is that the attendee be assigned to work as a bomb technician on an accredited bomb squad. The course is held 12 times per year at the Hazardous Devices School, Redstone Arsenal, Alabama. Length: 5 weeks

**Course Objectives**      This course is designed to prepare the civilian bomb technician to appropriately respond to and render safe improvised hazardous devices which may contain not only an explosive hazard, but also a nuclear, biological or chemical material. In addition to the general training on explosives and explosive devices, the following specific WMD related topics are addressed:

- Recognition of a WMD device
- Characteristics and hazards of nuclear, biological and chemical materials
- First aid for nuclear, biological and chemical agents
- Detection of nuclear, biological and chemical materials
- Fundamentals of Hazmat Operations, including protective clothing and equipment, decontamination operations, containment and confinement operations.
- Federal assistance in WMD incidents
- Public protective actions
- Bomb squad responsibilities in WMD incidents

**NBC Areas of Competency**      1, 2, 2a, 2b, 3, 4, 5, 6, 7, 8, 8a, 9, 10, 10a, 11, 12, 13, 14, 15, 16, 17, 18

**Target Audience**

Military/Civilian/both	Civilian
Emergency Responder Group	Bomb technicians undergoing basic certification level training
Emergency Responder Levels	Technician/Specialist Level, Operations Level

**Type of Instruction**

Medium	Classroom, computer-based presentations, video, and practical exercises
Gov/Contractor	TBD

**Recommended Class Size**      24

**Course Location/ Facility Dependent**      Yes

**Course Availability**      TBD

**Course Cost**      No cost

**POC**      David Heaven, FBI Program Administrator/Christine Cooper, Registrar

**Address**      Hazardous Devices School, P.O. Box 8100, Redstone Arsenal, AL 35808

**Phone Number**      (256) 313-1910/876-4486

**Comments**      This is the only course in the U.S. for civilian bomb technician basic certification level training.

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<b><u>Course Title</u></b>	<b>Weapons of Mass Destruction Bomb Technician Emergency Actions</b>
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<b><u>Course Sponsor</u></b>	Department of Justice, FBI, Bomb Data Center, Hazardous Devices School
<b><u>Course Description</u></b>	The course is intended for certified civilian bomb technicians. The prerequisite is that the attendee be an actively working certified bomb technician on an accredited bomb squad. The course will be held weekly at the Hazardous Devices School, Redstone Arsenal, Alabama until all civilian bomb technicians have had the opportunity to complete it. The target date for completion is January 2000. Length: 40 hours

<b><u>Course Objectives</u></b>	<p>In general, this course is designed to prepare the civilian bomb technician to appropriately respond to suspicious packages which may contain improvised devices with not only an explosive hazard, but also a nuclear, biological or chemical material. The following specific WMD related topics are addressed:</p> <ul style="list-style-type: none"><li>• Recognition of a WMD device</li><li>• Characteristics and hazards of nuclear, biological and chemical materials</li><li>• First aid for nuclear, biological and chemical agents</li><li>• Detection of nuclear, biological and chemical materials</li><li>• Fundamentals of Hazmat Operations, including protective clothing and equipment, decontamination operations, containment and confinement operations</li><li>• Federal assistance in WMD incidents</li><li>• Public protective actions</li><li>• Bomb squad responsibilities in WMD incidents</li></ul>
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<b><u>NBC Areas of Competency</u></b>	1, 2, 2a, 2b, 3-8, 8a, 9, 10, 10a, 11-18
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<b><u>Target Audience</u></b>	
Military/Civilian/both	Civilian
Emergency Responder Group	Certified Bomb Technicians
Emergency Responder Levels	Technician/Specialist

<b><u>Type of Instruction</u></b>	
Medium	Classroom, computer-based presentations, practical exercises, and video
Gov/Contractor	TBD

<b><u>Recommended Class Size</u></b>	20
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<b><u>Course Location/Facility Dependent</u></b>	Yes
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<b><u>Course Availability</u></b>	TBD
<b><u>Cost</u></b>	No fee is charged for the course. Travel and per diem paid by the FBI.

<b><u>POC</u></b>	David Heaven, FBI Program Administrator; Elaine Cross, Registrar
<b><u>Address</u></b>	Hazardous Devices School, P.O. Box 8100, Redstone Arsenal, AL 35808
<b><u>Phone Number</u></b>	(256) 313-1910/876-4486
<b><u>Comments</u></b>	This course has been ongoing since June 1, 1998. The offering will end upon the completion of training of all civilian bomb technicians in the U.S. (approximately January 2000). The

content of this course is now included as part of the Basic Course for bomb technicians at the Hazardous Devices School.





**DEPARTMENT OF TRANSPORTATION (DOT)**

**Course Title**      **First Responder Training Workshop: Public Transportation Chemical, Biological and Nuclear Incidents**

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**Course Sponsor**      Department of Transportation's Research/Special Programs Administration & The Office of the Secretary, Office of Intelligence and Security

**Course Objectives**      To better understand the vulnerability of the transportation system and to recommend solutions and to leave the department and transportation providers better postured to identify and respond to transportation threats and vulnerabilities in the future. Course focuses on the needs, procedures, command structures, awareness, and other issues germane to first response in the event of a chemical, biological or nuclear threat/incident in a transit venue. Overall objective is to foster greater understanding of the threats, both real and perceived, as well as first response procedures and foster enhanced professional exchange. Length: 2 days

**NBC Areas of Competency**      1, 2, 3-5, 6, 7, 8, 8a, 9, 10, 11, 13, 14, 16, 19, 20, 21

**Target Audience**  
Military/Civilian/both      Civilian  
Emergency Responder Group      Transit police and transit personnel, firefighters, EMTs/Paramedics and other first responders

**Type of Instruction**  
Medium      Classroom and emergency drills and tabletop exercises  
Gov/Contractor      Fire service training practitioners serve as faculty and other government expert trainers

**Course Location/  
Facility Dependent**      No

**Course Availability**      As requested

**POC**      Lenora Burke, DTS-78  
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